

NEW BURMESE PLANTS, PART III.—By S. KURZ, Esq.

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[With Plates XVIII & XIX.]

CAPPARIDÆ.

227. CAPPARIS CRASSIFOLIA, nov. sp.

Frutex scandens, spinis brevibus recurvatis armatus, novellis et foliis junioribus subtus tomento minuto canescente obtectis; folia obovalia ad obovata, petiolo $\frac{1}{2}$ — $\frac{3}{4}$ poll. dum juvenili canescenti-puberulo suffulta, basi magis minusve acuta, apice rotundata et brevissime recurvato-acuta, coriacea c. 2 pollicaria, glabra, nervis crassis subtus conspicuis et præsertim basin versus egredientibus; flores solitarii, iis *C. horridæ* subconformes, pedicello $\frac{1}{2}$ ad $\frac{3}{4}$ poll. canescenti-tomentoso suffulti; sepala et petala ferrugineo-lanata; filamenta numerosa, glabra; gynophorum longum et ovarium globosum glabra.—Prome.—*C. horridæ* arcte affinis.

228. CAPPARIS POLYMORPHA, nov. sp.

Frutex scandens, glauco-viridis, ramis ramulisque tenuiter albescenti-farinoso-tomentosis, spinis brevibus curvis puberulis armatus; folia (juniora valde elongato-rhomboidæ) rhomboideo-ovata ad obovato-rhomboidæ, petiolo $\frac{1}{3}$ poll. albescenti-puberulo suffulta, basi obtusa, subcoriacea, obtusa, glauca, subtus et dum juvenilia utrinque, fugaci-albo-puberula, nervis crassis et præsertim basin versus egredientibus; flores solitarii, axillares, iis *C. horridæ* simillimi, pedicello $\frac{1}{2}$ — $\frac{2}{3}$ poll. canescenti- et pro parte ferrugineo-tomentoso crasso suffulti; sepala et petala ferrugineo-lanata; filamenta numerosa, glabra; gynophorum gracile, glabrum; ovarium glabrum; baccæ (immaturæ) cerasi magnitudine, oblongæ, læves, polyspermæ.—Prome.—Ex affinitate *C. horridæ*. *C. horrida*, *crassifolia* et *polymorpha*, species inter se valde affines, habitu longe distant et sæpius in eodem solo sociatim crescunt.

MALVACEÆ.

229. DECASCHISTIA CRASSIUSCULA, nov. sp.

Frutex humilis, ramosus, dense albido-tomentosus; folia ovata, in petiolo crasso 2—3 lin. tantum longo decurrentia, 2—3 poll. longa, integra v. sublobata, grosse v. obsolete dentata, utrinque dense, subtus albo-tomentosa; flores sessiles v. subsessiles, 2 poll. fere longi; involucri phylla dense tomentosa, basi bractea longa subulata sustenta; calycis lobi paulum longiores et latiores, tomentosi, crasso-costati; petala stellato-pubescentia, venosa; capsulæ dense tomentosæ.—Prome.—*D. crotonifoliæ* valde affinis, sed differt floribus sessilibus v. subsessilibus, foliis latioribus decurrentibus et petiolo brevissimo.

STERCULIACEÆ.

230. STERCULIA ORNATA, Wall ap. Voigt. Cat. Hort. Calc. 105.

Arbor decidua, novellis pilis coccineis (in sicco brunneis) sæpius glutinosis tomentosis; liber et lignum album (nec rubrum uti in *St. villosa*); folia lata, 5—7-loba, lobis acuminatis, subtus dense stellato-pubescentia, supra pilis brevibus fasciculatis minutis aspersa; flores majusculi, pedicello $\frac{1}{2}$ —1 poll. longo suffulti, plerumque ochracei in fundo rubicundi, in paniculas terminales coccineo-tomentosas dispositi; calyx puberulus, semilineam longus, lobis lanceolatis patentibus; gynophorum stellato-tomentosum; ovaria fl. fem. dense hispido-tomentosa; carpella 5—6, setis fragilibus lineam fere longis urentibus dense vestita et glabrescentia, c. $2\frac{1}{2}$ —3 poll. longa, subcylindrico-lanceolata, incurvato-acuminata, intus dense fulvo-setosa; semina plura, oblonga, atra, lævia.—Pegu, Martaban, Tenasserim.—*St. villosæ* affinis, inter alia indumento carpellorum et floribus jam distincta.

MALPIGHIACEÆ.

231. HIPTAGE ARBOREA, n. sp.

Arbor parva, decidua, 15—20-pedalis, novellis dense albido v. flavido-tomentosis; folia valde variabilia, oblonga et ovato-oblonga ad elliptica et elliptico-lanceolata, 2— $3\frac{1}{2}$ poll. longa, petiolo brevissimo crasso, basi obtusa v. rotundata, subcoriacea, dum juniora dense albido-tomentosa et acuta v. breviter acuminata, dein subfloccosa et apiculata v. rotundata, nervis subtus valde prominentibus; flores lilacini v. albi, in fundo aurei, pedicello medio 1—2-bracteolato longo albido-pubescente basi bracteato suffulti, racemos breviores v. longiores albido-pubescentes axillares formantes; sepala obtusa v. acuta, lanato-pubescentia, 2—3 lin. longa; petala unguiculata, fimbriata, reflexa; carpella magis minusve fulvo-tomentella, glabrescentia, alis plerumque securiformi-emarginatis valde inaequalibus (terminali erecta $1\frac{1}{2}$ —2 poll. longa, lateralibus patentibus plus quam $\frac{2}{3}$ brevioribus), costa centrali obsoleta.—Prome, Martaban.—Inter species *Hiptagis* generis extricatu difficillimas hæc statura erecta (non scandente) et cortice crassa suberoso-fissa præstat.

RUTACEÆ.

GONOCITRUS, nov. g., Pl. XVIII.

Flores 5-meri (an semper?). Stamina.....Ovarium 3—5-gonum, 3—5-loculare, loculis 2-ovulatis. Bacca coriacea, epulposa, 3—4 angulata. Semina magna, cotyledones carnosæ. Arbuscula spinoso-armata in solo salino rhizophoretorum vicens, foliis simplicibus alternis. Flores solitarii, axillares. Genus distinctissimum sed incomplete cognitum, *Atalantiæ* affine.

232. G. ANGULATUS (*Citrus angulatus*, Willd. sp. pl. III. 1426; Rumph. Herb. Amb. 110, t. 32; DC. Prod. I. 540; *Atalantia longispina*

Kurz in Journ. As. Soc. Bengal, 1872 295). Baccæ epulposæ, sed intus succo viscido parco (oleo condensato ?) vestitæ. Flores albidī (ex Rumph.).

LEGUMINOSÆ.

233. CROTALARIA KURZII, Baker MS.

Herba annua, erecta, ramosa, 1—3-pedalis, ramis teretibus parce appresse pubescentibus; folia obovato-ad lato-lanceolata, basi subcuneata, brevissime (1—2 lin.) petiolata, mucronato-acuta v. subcuspidata, $1\frac{1}{2}$ —3 poll. longa, raro longiora, subtus parce puberula et pallida; flores mediocres, lutei, vexillo extus atropurpureo-striato, pedicello $\frac{1}{4}$ — $\frac{1}{3}$ poll. pubescente suffulti, vulgo solitarii v. raro bini, hinc inde fasciculatim ex foliorum axillis erumpentes simulque in racemos axillares et terminales parce pubescentes dispositi; bracteæ minutæ, subulatæ; calyx semilineam circiter longus, parce appresse puberulus, lobis falcato-lanceolatis acuminatis; corolla calyce longior; legumen $\frac{3}{4}$ ad $1\frac{1}{2}$ poll. longum, sessile, basi attenuatum, glabrum; semina pallida v. pallide brunnea, nitentia, lin. lata. Var. α . genuina, folia minora, 4 poll. non excedentia; legumen $\frac{3}{4}$ —1 poll. tantum longum et calyce duplo longius; semina pallida, lineam lata.—Pegu, Martaban.—Var. β . luxurians, folia 6 poll. longa; legumen $1\frac{1}{2}$ —2 poll. longum et calyce 3—4 plo longius; semina brunnea, $2\frac{1}{2}$ lin. circiter lata. Pegu. Var β , ejus flores non vidi, cum forma typica, characteribus supra indicatis exceptis, omnino quadrat.

234. INDIGOFERA CALONEURA, nov sp.

Frutex erectus, ramosus, fulvo-puberulus; stipulæ c. 2 lin. longæ, lineari-subulatæ, dense pubescentes; folia 1-foliolata, petiolo 3—4 lin. longo crasso dense fulvo-pubescente suffulta; foliolum ellipticum, utrinque rotundatum v. sæpius apice retusum, mucronulatum, 3—4 lin. longum, chartaceum, supra glabrum, subtus molli-pubescentis et glaucescens, costa nervis venisque valde prominentibus et fulvo-pubescentibus; flores rosei?, parviusculi, pedicello 2 lin. longo filiformi puberulo suffulti et racemum robustum pubescentem axillarem foliis vulgo brevioribus formantes; bracteæ longiusculæ, subulatæ; calyx brevis sed amplus; lineam vix altus, dentibus 3-angularibus acutis; corolla c. $\frac{1}{3}$ poll. longa; ovarium dense sericeo-pubescentis; legumen deest.—Pegu.—Ex affinitate *J. Brunonianæ*, Grah.

235. DESMODIUM OBCORDATUM (*Urvaria obcordata*, Miq. Suppl. Fl. Sumatr. 114 et 305).

Herba perennis, volubilis, 3—4-pedalis, puberulus; stipulæ lanceolatæ, acuminatæ, pubescentes, c. 3 lin. longæ; folia pinnatim 3-foliolata, petiolo $\frac{1}{2}$ —1 pollicari puberulo; foliola lateralia minora, deltoidea, retusa et mucronato-apiculata, foliolum terminale transverse obcordato-lunatum, $\frac{1}{2}$ —2 poll. latum, in sinu mucronatum, chartaceum, supra tenuissime subtus parce pilosum et pallidum, venis transversis prominentibus; flores parvi, cyaneo-

purpurei, pedicello gracili 2—3 lin. longo pubescente, in racemum gracilem pubescentem axillarem sæpius in paniculam terminalem abeuntem dispositi; bracteæ lineares, subulato-acuminatæ, 2—3 lin. longæ, pubescentes, caduicissimæ; calyx pubescens, lineam circiter longus, lobis lanceolatis acuminatis; corolla $2\frac{1}{2}$ lin. longa; legumen in stipitem 1 lin. longum attenuatum, recurvatum, planum, chartaceum, puberulum, moniliformi-2—3, v. sæpius 1-articulatum; articuli hastato-rotundati, c. $\frac{1}{3}$ poll. longi et lati; semina reniformi-oblonga, compressa, brunnea, nitentia.—Tenasserim.—Ex affinitate *D. strangulati*, &c.

236. *DESMODIUM OBLATUM*, Baker MS. (*Desmodium reniforme*, Wall. Cat. vix De. certissime non Burm).

Fruticulus erectus, gracilis, 2—3-pedalis, glaber; stipulæ et stipellæ minutæ; folia 1-foliolata, petiolo capillari $\frac{1}{3}$ — $\frac{1}{2}$ pollicari suffulta; foliolum transverse ellipticum, apice subsinuatum v. rotundatum, 1— $1\frac{1}{2}$ poll. latum, integrum, glabrum, læte virens; flores parviusculi, cyanei, pedicello capillari c. $\frac{1}{3}$ pollicari puberulo, fasciculati et racemum gracillimum puberulum axillarem in paniculam terminalem abeuntem formantes; bracteæ persistentes, ovatæ; calyx c. $1\frac{1}{2}$ lin. longus, subglaber, lobis lineari-lanceolatis acuminatis; corolla sub—3 lin. longa; legumina in stipitem brevissimum contracta, compressa, minute puberula et glabrescentia, lineari-oblonga, moniliformia, 2—4 passim 1-articulata, articuli semiorbiculares, suturâ exteriore vix curvâ, reticulati, c. 2 lin. longi v. longiores; semina compressa reniformia pallide brunnea nitentia.—Ava, Pegu, Martaban.—Ex affinitate *D. reniformis*, &c.

237. *DESMODIUM AURICOMUM*, Grah. in Wall. Cat. 5704.

Herba annua a basi ramosa patenter fulvo-pilosa; stipulæ lanceolatæ, aristato-acuminatæ, striatæ, 2— $2\frac{1}{2}$ lin. longæ; folia pinnatim 3-foliolata, petiolo parce piloso 3—4 lineari suffulta; foliola elliptica ad obovalia, rotundata v. subretusa, $\frac{1}{4}$ — $\frac{2}{3}$ poll. longa, supra subglabra, subtus parce appresse pilosa; flores parvi purpurei, pedicello capillari piloso $\frac{1}{2}$ — $\frac{1}{3}$ pollicari, racemum gracilem patenti-fulvo-pilosum terminalem v. ramulos axillares terminantem formantes; bracteæ vulgo sub anthesi persistentes, ovatæ, subulato-acuminatæ, 3—4 lin. longæ, fulvo-pilosæ; calyx $1\frac{1}{2}$ lin. longus, fulvo-pilosus, lobis linearibus subulatis; corolla æquilonga v. paulo longior; legumina plana, sessilia, lineari-oblonga, ciliata et intra marginem villosa-pilosa, laxè reticulata, 3—5-articulata, articuli lin. circiter longi et lati, suturâ interiori rotundati exteriori subrecti, dehiscentes; semina reniformia, brunnea, nitentia.—Arracan, Tenasserim.—Ex affinitate *D. triflori*, &c.

238. *LESPEDEZA PINETORUM*, nov. sp.

Frutex subsimplex v. ramosus robustus erectus 2—4-pedalis dense fulvescenti-pubescentis; folia 3-foliolata, petiolo $\frac{1}{2}$ — $\frac{2}{3}$ pollicari villosa suffulta; foliola elliptica ad elliptico-ovata, brevissime crasseque petiolata, 1—2

poll. longa, obtusa v. acuta cum mucrone, integra, coriacea, supra subrugosa et parce subtus dense fulvescenti- v. subcanescenti-villosa et prominenter nervosa; flores parviusculi, cyanei v. rosei, pedicello lin. longo gracili pubescente suffulti in racemos villosi-pubescentes robustos sed breviusculos axillares v. terminales dispositi et sæpius paniculam densam terminalem efformantes; calyx c. $2\frac{1}{2}$ lin. longus, fulvescenti-villosus, lobis subulatis; corolla $3\frac{1}{2}$ lin. longa, glabra; legumen dimidiato-ovatum, 3 lin. longum, sericeo-pubescentens.—Martaban.—*L. hirtæ*, Miq. quodammodo affinis.

239. *LESPEDEZA DECORA*, nov. sp.

Frutex erectus, 3—5-pedalis, caulibus angularibus appresse fulvo-pubescentibus dein canescentibus; stipulæ c. 3 lin. longæ, rigidæ, lineari-subulatæ; folia pinnatim 3-foliolata, petiolo gracili 1— $1\frac{1}{2}$ pollicari canescente suffulta; foliola breviter petiolulata, obovalia ad elliptica, apice rotundata mucronata, chartacea, 1— $1\frac{1}{2}$ poll. longa, supra atroviridia, glabra, subtus glaucescentia et sub lente appresse pubescentia; flores cærulei, pedicello gracili c. $\frac{1}{2}$ pollicari glanduloso-pubescente instructi, racemos breves at graciles fulvo-glanduloso-pubescentes persistenter bracteatos sæpius in paniculam brevem collectos efficientes; bracteæ ovato-lanceolatæ, subulato-acuminatæ, c. lin. longæ, glanduloso-puberulæ; calyx c. 3 lin. longus, fulvo-pubescentens, lobis ovatis acuminatis; corolla $\frac{1}{2}$ poll. longa; legumina (immatura) oblique ovato-lanceolata, acuminata, compressa, breviter sericea.—*Martaban*.—Hic *Desmodium angulatum*, Wall. Cat. 5729, I. quoad specimina sterilia probabiliter e Taong-dong sumpta.

240. *LESPEDEZA PARVIFLORA*, nov. sp.

Frutex, ramulis angularibus sericeo-puberulis; stipulæ rigidæ, lineari-subulatæ, c. 2— $2\frac{1}{2}$ lin. longæ; folia pinnatim 3-foliolata, petiolo gracili canescente $\frac{1}{2}$ poll. longo suffulta; foliola breviter petiolulata, elliptica ad elliptico-ovata, $\frac{1}{2}$ —1 poll. longa, chartacea, supra glabra et atroviridia, subtus glaucescentia et appresse puberula; flores cyanei?, parvi, pedicello $\frac{1}{2}$ —1 lin. longo fulvo-pubescenti instructi et in racemos axillares strictos fulvo-pubescentes folio circiter duplo longiores apice ramorum sæpius congregatos dispositi; bracteæ deciduæ; calyx dense fulvo-pubescentens, c. 2 lin. longus lobis subulatis; corolla $3\frac{1}{2}$ lin. circiter longa; legumina (immatura) oblique ovata, acuminata, sericea.—*Martaban* (Rev. F. Mason).—*L. ellipticæ*, Bth. affinis, a qua differt: floribus multo minoribus, calycis lobis subulatis, bracteis deciduis et indumento.

241. *MUCUNA BRACTEATA*, De. (*Carpopogon bracteatus*, Roxb. MS. Jc, XX. t. 138).

Herba perennis, volubilis, novellis parce appresse pubescentibus; stipulæ...; folia pinnatim 3-foliolata, petiolo glabro v. subglabro 2—4 pollicari suffulta; foliola ovata v. subovata (lateralibus valde obliquis, terminali magis trapezoideo), petiolulo brevi pubescenti suffulta, obtusiuscule apiculata v.

cuspidata, mucronata, chartacea, supra glabra, subtus puberula v. sub lente appresse pubera; flores magni, atropurpurei, pedicello canescenti-puberulo c. 2 lin. longo suffulti, 2—3-ni v. solitarii pedunculum secundarium 2—3 lin. longum terminantes et in racemum bracteato-pedunculatum axillarem nutantem canescenti- v. fulvescenti-pubescentem dispositi; bracteæ ovatæ ad lanceolatae, subulato-acuminatæ, velutinæ, florales valde deciduæ, inferiores vacuæ pedunculum vestientes persistentes, majores, $\frac{1}{2}$ — $\frac{3}{4}$ poll. longæ; bracteolæ paulo minores, rotundatæ, deciduæ; calyx amplus, c. 4—5 lin. in diametro, dense canescenti-puberulus et setis fragilibus fulvescentibus aspersus; corolla c. $1\frac{1}{2}$ poll. longa, alæ subduplo, carina vexillo subtriplo longiores; legumina oblonga v. suboblonga, compressa, 1— $2\frac{1}{2}$ poli. longa, carinis longitudinalibus secus suturam superiorem destituta densissime urenti-setosa, 2—5 sperma; semina transverse oblonga, vulgo brunneo et atro-maculata.—*Pegu, Martaban, Ava.*—Species distinctissima, *M. prurienti* affinis.

242. *GRONA FILICAULIS*, nov. sp.

Volubilis, tenera; folia lato cordato-ovata, petiolo pubescente $\frac{1}{2}$ — $\frac{2}{3}$ pollicari suffulta, obtusa, mucronata, 1— $1\frac{1}{2}$ poll. lata, utrinque sparse hirsuta, palmati nervia; flores parvi, flavi, pedicellati, cirrhoso-pedunculati, axillares; legumina tenera, glaberrima, linearia, poll. circiter longa, 5—6-sperma; semina nitentia, olivacea, nigro-maculata.—*Pegu.*—*G. Grahamii*, Bth. affinis.

243. *PUERARIA BRACHYCARPA*, nov. sp.

A. *P. ferruginea* (*Amphicarpea ferruginea*, Bth. in Pl. Jungh. I.) differt: omnibus partibus glabrior, leguminibus torosis appresse pubescentibus sub-glabrescentibus pollicem vix excedentibus 3 lin. fere latis 5—6-spermis.—*Pegu.*

ROSACEÆ.

Pyrus Karensium Kurz, in Journ. A. S. Bengal, 1872, 306, eadem est ac *P. granulosa*, Bertoloni Piante nuove Asiatiche 10, t. 3, (sub nom. *P. granulata*) in memorie deli' Accademia d. scienze dell' istituto di Bologna, Ser. II, Vol. IV. 1864-65. Planta Khasyana cl. Bertolonii valde est serratifolia, sed formæ intermediæ etiam in Herbario Horti Calcuttensis adsunt. Species fere omnes Indicae a cl. Hookero et Thomsonio collectæ et in opusculo hic citato descriptæ et iconibus illustratæ inapte propositæ sunt.

MYRTACEÆ.

244. *EUGENIA PACHYPHYLLA*, nov. sp.

Arbor glabra, ramulis albis; folia obovata ad obovato-oblonga, basi magis minusve cuneato-acuminata, petiolo crasso 3—4 lin. longo suffulta, obtusiuscula v. obtusiuscule apiculata, 3—4 poll. longa, crasse coriacea, glabra, in sicco fusciscentia, nervis lateralibus tenuibus et prominentibus

satis distantibus et subirregulari-parallelis; flores mediocres, vulgo solitarii v. terni, sessiles paniculam brevissimam crassam trichotomam terminalem efformantes, pedunculo et ramis brevissimis ($\frac{1}{4}$ — $\frac{1}{2}$ poll.) crassissimis 4-gonis articuliformibus; calyx c. 4 lin. longus, obovatus, basi attenuatus, lævis, limbo 4-lobato, lobis rotundatis c. 2 lin. longis persistentibus; petala, etc. desunt.—Tenasserim (Dr Brandis).—Ex affinitate *E. grandis*.

245. *EUGENIA CERASIFLORA*, nov. sp.

Arbor magna, 90-100 pedalis, glabra, ramulis albidis compressiusculis; folia magis minusve lato-lanceolata, basi acuta v. acuminata, petiolo $\frac{1}{8}$ — $\frac{3}{8}$ poll. longo, obtusiuscule acuminata v. passim obtuse apiculata, 4—7 poll. longa, pergamea, glabra, opaca, subtus pallida, nervis lateralibus sat irregulari-parallelis et sæpius curvis tenuibus sed prominentibus; flores parviusculi, albi, pedicello gracili 2—4 lin. longo suffulti, in racemum brevem gracilem glabrum axillarem v. supra foliorum delapsorum cicatricibus orientem collecti; calyx $3\frac{1}{2}$ —5 lin. longus, ejus pars superior ampliatus c. 3 lin. longa, clavato-turbinatus, lævis, limbo persistente 4-lobato, lobis semiorbicularibus 2 lin. fere longis, pars inferior pedicelliformi-contracta gracilis $\frac{1}{2}$ —2 lin. longa; petala c. $\frac{1}{3}$ poll. longa, concavo-orbicularia, libera; filamenta longa, gracilia; baccæ globosæ v. didymo-globosæ, pisi magnitudinis, in stipitem longum gracilem protractæ, 1—2 spermæ, læves, calycis limbo disciformi patente coronatæ.—Martaban (Etiam in montibus Sikkim Himalaya, Khasya, etc. Species juxta *E. lanceæfoliam* inserenda.

246. *EUGENIA TRISTIS*, nov. sp.

Arbor glabra, ramulis teretibus crassis pallide brunneis; folia elliptica ad elliptico-obovata, basi acuta, petiolo $\frac{1}{2}$ — $\frac{3}{4}$ poll. longo crasso, obtuse-apiculata, coriacea, 4—5 poll. longa, glabra, opaca, nervis lateralibus subdistantibus et sat irregularibus crassiusculis et prominentibus; flores...; panicula fructicans corymbiformis, sessilis, terminalis, glabra, ramificationibus brevibus et robustis; baccæ pedunculo crasso 1—2 lin. longo suffultæ, depresso-globosæ, cerasi magnitudinis, glabræ, calycis limbo discoideo patenter 4-lobato coronatæ, 2 v. 1 spermæ, endocarpio tenui carnosio; calycis lobi sub fructu c. $1\frac{1}{2}$ lin. longi, rotundati.—Tenasserim. Ex affinitate *E. grandis*, sed foliorum indole longe distat.

247. *BARRINGTONIA AUGUSTA* (*Stravadium augustum*, Wall. Cat. 2637 pp.)

Arbor medioeris glabra; folia cuneato-oblonga ad obovato-cuneata, basi attenuata obtusa v. acuta, petiolo crasso 3—4 lin. longo, acuta v. subacuneata, $\frac{1}{2}$ — $1\frac{1}{4}$ ped. longa, sursum crenulato-serrata, chartacea, glabra; flores conspicui, sessiles, in spicam longissimam fulvo-pulverulentam terminalem dispositi; rachis crassa basi foliis numerosis reductis lanceolatis cineta; calyx velutinus, tubo c. lin. longo v. longiore alatum 4-gono, lobis rotundatis c. 2 lin. longis; petala...; baccæ (immaturæ) fibroso-carnosæ,

oblongæ, fulvo-pulverulentæ, calycis limbo coronatæ, 4-alatæ, alis carnosis et crassis angustis undulatis.—Tenasserim.

248. *BARRINGTONIA PTEROCARPA*, nov. sp.

Arbor mediocris, 30—50-pedalis, glabra; folia elongato-obovato-lanceolata, basi cuneato-acuminata in petiolum breviorē v. longiorē (usque $\frac{1}{2}$ poll. longum) decurrentia, breviter acuminata. 1— $1\frac{1}{4}$ ped. longa, apicem versus crenulato-serrata, pergamacea, glabra; flores conspicui, albi v. rosei (filamentis albis), sessiles, spicam longissimam robustam pulverulentam terminalem efficientes, rachis crassa basi foliis floralibus reductis numerosis lanceolatis cincta; calyx velutinus, tubo lineam circiter longo alatum 4-angulato, limbo 4-fido, lobis triangulari-ovatis acutis v. obtusiusculis plus quam 3 lin. longis; petala $\frac{2}{3}$ poll. longa, ovato-oblonga, acuta; baccæ oblongæ, fibroso-carnosæ, c. 2 poll. longæ, 4-gonæ, angulis anguste et crasse alatis.—Pegu, Martaban.—*B. augustæ* valde affinis sed differt foliis longe decurrentibus et calycis lobis.

LYTHRARIÆ.

249. *LAGERSTRÆMIA MACROCARPA*, Wall. Cat. 2114; Voigt. Hort. Calc. 132.

Arbor parva v. mediocris 30—40-pedalis decidua, glabra; folia oblonga ad ovato-oblonga, breviter petiolata, vulgo larga præsertim juniora usque $1\frac{1}{2}$ ped. longa, adulta 5—6—9 poll. longa, basi obtusa v. rotundata, chartacea, obtusa, obtusiuscule apiculata v. passim acuminata, integra, glabra; flores magni, 3—4 poll. in diametro, speciosi, violacei v. violaceo-purpurei, pedicello crassiusculo canescenti-pulverulento suffulti, solitarii v. 2-ni—3-ni cymosi et in paniculam depauperatam terminalem breviusculam collecti; calycis alabastrum oblongo-turbinatum, canescenti-velutinum, tenui-sulcatum nec costatum, lobis lanceolatis acutis secus margines haud incrassatis; petala 1— $1\frac{1}{2}$ poll. longa, lato-elliptica v. suborbicularia, unguiculata, crispato-undulata; stamina æquilonga; capsulæ lignosæ, 1— $1\frac{1}{2}$ poll. longæ, oblongæ mucronatæ; semina *L. Flos reginæ*, sed majora.—Birmania tota.—*L. Flos reginæ* valde affinis.

250. *LAGERSTRÆMIA VILLOSA*, Wall. MS. in H. B. C.

Arbor magna, 80—90-pedalis, in locis siccioribus 40—50-pedalis, ramulis, &c. dense puberulis; folia ovata ad ovato-oblonga, petiolo brevissimo pubescente suffulta, basi rotundata, chartacea, magis minusve acuminata 2—4 poll. longa, supra minute velutina, subtus subcanescenti-pubescentia v. puberula; flores parvi, albidii, pedicello gracili pubescente, in cymas pedunculatas dispositi et paniculam terminalem contractam molliter puberulam efformantes; calyx in alabastro turbinatus, dense canescenti-puberulus, 4—5—6-lobus, lobis triangularibus acutis tubum 4—6-costatum longitudine fere æquantibus, costis subaliformibus; petala minuta, calycis

dentis haud superantia, cuneato-lanceolata, acuta, alba; antheræ purpureæ; capsulæ oblongæ, semipollicem circiter longæ, mucronulatæ, valvatim 4—6-loculares.—Pegu, Martaban.

GENTIANEÆ.

251. *GENTIANA NUDICAULIS*, nov. sp.

Herba erecta annua glabra cauli tereti nudo 1—2 pollicari; folia apice rosulata, lineari-lanceolata ad linearia, basi subattenuata sessilia acuta v. acuminata, usque ad $1\frac{1}{2}$ poll. longa, coriacea, 3-nervia (nervis supra impressis); flores cyanei, raro pallide coerulei, depauperato-cymosi et foliosopedunculati v. (in spp. Burmanicis) in glomeros densos axillares et terminales congregati; calyx $\frac{1}{3}$ poll. longus, infundibuliformis, plicato-5-angulatus, usque ad medium 5-lobus, lobis lineari-subulatis albo-marginatis; corolla semipollicaris v. paulum longior, plicato-5-loba, lobis acutis v. acuminatis; stamina corollam longitudine subæquantés; filamenta stricta, sub medio corollæ tubi inserta; ovarium lineare, in stipitem brevem attenuatum; capsula clavata, crasse et breviter stipitata, a medio ala sursum latissima cincta stylis 2 revolutis coronata; semina minuta, exalata, oblonga. Var. *a.* genuina, ramuli evoluti et florentes paniculam spuriam efformantes; var. *β.* compacta, ramuli suppressi indeque flores compacto-glomerati.—var. *a.* montes Assamiæ (Griff. No. 5819); var. *β.* Martaban.

252. *GENTIANA CRASSA*, nov. sp.

Suffrutex ramosus deorsum defoliatus; folia lanceolata ad obovato-lanceolata, basi attenuata et cum folio opposito in vaginam brevem connata, inferiora $1\frac{1}{2}$ —2 pollicaria, coriacea, obtusiuscule acuminata, 3-nervia, secus margines subrevolutos subrenulata: flores majusculi, sessiles et glomerati et cymam terminalem majorem v. minorem foliatam compactam formantes; calyx fere $\frac{2}{3}$ poll. longus, tubuloso-campanulatus, teres, profunde 5-lobus, lobis valde inæqualibus, quorum 3 minimis lineari-lanceolatis e basi truncata abrupte emissis, cæteris 2 subfoliaceis tubi fere longitudinis oblongis acuminatis basi attenuatis 1-nerviis; corolla pollicaris, infundibuliformi-campanulatus, plicato-5-lobus, lobis lato-ovatis, abrupte acuminatis; stamina corolla breviora, filamentis basin versus sensim latioribus tubo basin versus insertis; ovarium lineari-lanceolatum, in stipitem crassum attenuatum; capsula compresso-lanceolata, acuminata, e corollâ marcescente semi-exserta, stipite plusquam $\frac{1}{2}$ poll. longo suffulta, valvis stylo brevi revolutis terminatis.—Martaban.

PHYLLOCYCLUS, nov. g.

Calyx campanulatus, inflatus teres. Corolla subregularis, lobis imbricatis, basi sæpius bimaiculatis. Stamina 4, 2 inferiora longiora fertilia exserta polline miniato scatentia, 2 superiora subinclusa filamentis brevibus suffulta effæta. Ovarium 1-loculare, ovulis numerosis placentæ bifidæ parie-

tali insertis ; stylus deciduus ; stigma bilobum. Capsula 1-locularis, septicide bivalvis. Semina plurima, placentis spongiosis immersa, minuta. Herbae annuæ facie *Cyclophylli* generis *Canscora*, sed foliis omnibus perfoliatis caulibus teretibus et floribus vulgo solitariis axillaribus. Genus *Canscora* inter alia differt : corollæ lobi 2 inferiores approximati a medio tali modo replicati ut plicis arete approximatis quasi lobum singulum mentient indeque corollam prima facie 3-lobam immitent ; stamina 4, quorum unum tantum fertile et multo longius in plica loborum inferiorum receptum, cætera multo minora effæta sunt.

253. PH. HELFERIANA, (*Canscora Helferiana*, Wall. MS.).

Herba annua dichotomo-ramosa glabra 1—2-pedalis ; folia perfoliata, orbicularia, $\frac{1}{2}$ —1 poll. lata, radiato-venosa, membranacea ; flores parvi, albidii, pedicello brevissimo gracili suffulti, solitarii, axillares ; calyx lævis, teres, campanulatus, c. 3 lin. longus, lato-4-dentatus ; corollæ tubus calycis longitudine, inflatus, limbo parvo 4-lobo, lobis oblongis obtusiusculis ; capsula —Tenasserim (Helf. 5816).

Altera species hujus generis, *C. Parishii*, Hook. Bot. Mag. t. 5429, facile distinguitur floribus duplo majoribus, lobis multo latioribus, etc.

PEDALINEÆ.

254. BRANDISIA DISCOLOR, Hf. et Th.

Capsula ovalis, compressiuscula, semipollicem fere longa, calyce subduplo longior, fulvo-tomentosa, mucronata, semina linearia, 2 lin. longa.—*Wightiae*, Wall., arete affinis. Etiam *Buddleiæ* generi affinis, sed differt corolla irregulari, etc. et certissime inter Sesameas recipienda est. Gardneria, a cl. Benthamio Loganiaceis adnumerata, Solanea esse videtur.

EUPHORBIACEÆ.

255. ACTEPHILA PUBERULA, nov. sp.

Frutex 4—8-pedalis, novellis minute puberulis ; stipulæ ovatæ, breves valde deciduæ ; folia elliptico- v. obovato-oblonga, basi rotundata v. subcordata, petiolo $\frac{1}{2}$ —1 $\frac{1}{2}$ pollicari puberulo glabrescente suffulta, 4—7 poll. longa, obtusiuscule acuminata, integra, crasse membranacea v. chartacea, supra glabra, subtus secus nervos puberula et glabrescentia, in sicco flavescensiviridia ; flores aurantiaci, monoici v. dioici, solitarii, axillares ; calyx coriaceus ; capsula cerasi magnitudine, granulato-rugulosa, pedunculo sursum incrassato $\frac{1}{2}$ —2 pollicari glabro suffulta.—Andamans (etiam in insulis Nicobaricis).—*Actephila* habitu et characteribus generi *Trigonostemoni* valde accedit sed ovulorum numero distinguitur. *Tylosepalum aurantiacum*, Kurz, quod cl. Muell. Arg. ad Codixum duxit, ad genus *Trigonostemon* repellendum est ubi in sect. VI. *Eutrigonostemone* inserendum (cf. Teysm. et Binnend. Cat. pl. hort. Bogor 1863, p. 223).—

256. *ANTIDESMA FRUTICULOSUM*, nov. sp.

Fruticulus 2—4-pedalis ramosus pubescens; stipulæ lineares, acuminatæ, fulvo-pubescentes, petiolo longiores, 2—3 lin. longæ; folia parva, elliptico- ad obovato-lanceolata, petiolo crasso c. lin. longo fulvo-pubescente, basi attenuatâ rotundata v. obtusa, 1—2½ poll. longa, breviter et obtusiuscule acuminata cum mucrone, passim obtusa v. retusa, membranacea, supra sparse hirsuta subtus imprimis secus nervos adpresse pubescentia; flores minuti, sessiles, in spicis breves sat robustas fulvo-tomentosas simplices v. raro compositas vulgo e ramulis reductis ortas collecti; bracteæ ovato-lanceolatæ, pilosæ, minutæ; calyx extus tomentosus, 4-partitus, lobis rotundatis subacutis; discus subglaber; stamina 2 v. 3, antheris didymis; stylus terminalis, simplex; drupæ rubræ dein atropurpureæ, suboblique ovoideæ, læves, 2—2¼ lin. longæ, putamine compresso subrugoso.—Pegu.—*A. Roxburghii*, Wall. valde affinis, sed omnibus partibus minor.—*N. B. A. molle*, Mull. Arg. synonymon est *A. velutinosi*, Bl.; bracteæ dum juveniles obovatæ, dein sub anthesi lineari-lanceolatæ.

GLOCHIDION, FORST.

Genus distinctissimum, a cl. Muell. Arg. cum *Phyllanthi* genere inapte conjunctum, structura florum femineorum et etiam (uti jam beat. Roxburghius docuit) arillo (spurio) facile distinguitur. In sicco hic arillus spurius v. potius tegumentum exterius seminis ut plurimum pulchre miniatus v. coccineus succosus more Euphorbiacearum aliarum (e. g. *Claoxylon* etc.) membraniformis indeque ab auctoribus plurimis omnino prætervisus erat. Omnes species a cl. Muell. Arg. in *De. Prod.* vol. XV. et a cl. Benthamio in *Flora Austr.* vol. VI. sub *Eu.*- et *Hemi-glochidione* publicatæ iterum ad genus *Glochidii* reducendæ sunt.

257. *GLOCHIDION DASYSTYLUM*, nov. sp.

Arbuscula v. frutex 15—20-pedalis, pubescens, ramulis subteretibus fulvo- v. ferrugineo-hirsutis; folia ovata, subobliqua, petiolo 1 lin. longo tomentosa, acuminata, basi rotundata v. obtusa, 2—3 poll. longa, chartacea, molliter pubescentia, adulta supra minute puberula; flores desunt, feminei fasciculati v. subumbellati; capsulæ pedicello gracillimo usque ad ½ poll. longo piloso suffultæ, depresso-globosæ, c. ¼ poll. in diametro, 3-loculares et 6-lobulatæ, patenter albo-pilosæ; columna stylaris brevis, 3-fida, lobis linearibus simplicibus patentibus pubescentibus.—Martaban.—*Gynoon hirsutum*, Wight Ic. t. 1909 habitum plantæ supra descriptæ optime representat sed certissime specificè distinctum est.

258. *GLOCHIDION LEIOSTYLUM*, nov. sp.

Frutex magnus v. arbuscula, ramulis subangulatis novellisque pubescentibus; folia oblique ovata ad oblongo-ovata, petiolo lin. longo pubescente, basi inæquali acuta v. obtusa, longius v. brevius sæpius obtusiuscule acuminata et mucronata, chartacea, supra costâ exceptâ glabra, subtus præser-

tim secus nervos puberula; flores minuti, masculi pedicello longo gracili pubescente, feminei sessiles v. subsessiles, glomerati; maris calyx vulgo 5-fidus, lobis lanceolatis acutis; stamina 3; fem. calyx 5-partitus, parce pubescens, segmentis lineari-lanceolatis acuminatis; ovarium villosum; columna stylaris conica, sursum attenuata et 3-fida, lævissima; capsulæ omnino iis *G. dasystyli* conformes, depresso-globosæ, c. $\frac{1}{4}$ poll. in diametro, 3-loculares et 6-lobulatæ, pilosulæ, sessiles v. brevissime pedunculatæ stylis glabris.—Pegu, Martaban, Tenasserim.—Priori arcte affinis.

259. *GLOCHIDION ANDAMANICUM*, nov. sp. (*Phyllanthus Andamanicus*, Kurz in And. Rep. ed. 1. p. XVI.)

Arbuseula 25-pedalis glaberrima, ramulis compresso-angulatis; folia elliptica v. elliptico-oblonga, inferiora sæpius minora et suborbiculari-elliptica, basi acuta v. obtusa, petiolo $1\frac{1}{2}$ — $2\frac{1}{2}$ lin. longo suffulta, obtusa v. obtusiuscule acuminata, 2—3 poll. longa, tenui-coriacea, lævia, subtus glaucescentia, flores fem. parvi, sessiles, glomerati, masculi pedicello gracili puberulo suffulti, axillares, fasciculati: calyx maris puberulus, lobis oblongis obtusis; stamina 3; calyx fem. 5-lobus, parce puberulus; ovarium villosu-tomentosum, columna stylaris crasse conica, ovarii crassitudine, truncata, stigmatibus 5—6 tuberculiformibus terminata; capsulæ 6—4-cocçæ, depresso-globosæ, utrinque concavæ, canescenti-puberulæ et 12—8-sulcatæ, plus quam $\frac{1}{2}$ poll. in diametro.—Andamans.—Ex affinitate *G. Bancani*, Miq. speciei haud cum *G. Zeylanico* conjungendæ.

CICCA, L.

Sub nomine hocce *Phyllanthi* species epicarpio carnosu a me conjunguntur; structura florum et masculorum et femineorum autem valde diversa est, viz.

Subg. I. *EUCICCA* (*Cicca*, L.) Flores tetrameri. Stamina libera 4. Glandulæ in maribus et hermaphroditis liberæ et distinctæ. Capsulæ drupaceæ, magnæ, carnosæ, sæpius 4-cocçæ.

Subg. II. *SECURINEGA*, Muell. Arg. Flores 5-meri. Stamina 5, libera. Discus annulari-5-gonus. Capsula bacciformis, 3- v. abortu 2-cocçæ, alba, in vivo magis minusve succulenta.

Subg. III. *KIRGANELIA*, A. Juss. Flores 5—6-meri. Stamina diallepha, interiora 3 omnino, exteriora basi tantum connata. Glandulæ in fem. distinctæ. Capsulæ bacciformes, 12—6-cocçæ, succulentæ, purpureæ v. atropurpureæ.

Subg. IV. *EMBLICA*, Gærtn. Flores vulgo 6-meri. Stamina in columnam connata. Ovarium 3-loculare. Glandulæ in fem. urceolato-connatæ. Capsulæ drupaceæ, magnæ, aqueo-albæ, putamine capsulari 3-cocco lignoso tarde dehiscente.

260. *CICCA (EMBLICA) ALBIZZOIDES*, nov. sp.

Arbor elegans, 25—30-pedalis, novellis puberulis; folia oblonga, inferiora elliptica v. suborbicularia, subsessilia, basi rotundata, usque ad poll. longa et $\frac{1}{2}$ poll. lata, retusa v. obtusa, chartacea, glabra, subtus glaucescentia; flores minuti, flavescens, glabri, pedicello glabro gracili suffulti, feminei subsessiles, secus ramulos novos pubescentes glomerati et racemum interruptum subaphyllum efformantes; calycis lobi obovato-lineares, columna staminalis longiusecula et gracilis; styli 3, basi connati, 2-fidi, lobulis latiusculis integrisque; capsulæ drupacæ iis *C. Emblicæ* conformes sed duplo majores, sessiles, in vivo plus quam poll. in diametro, globosæ, aqueo-albi et nervosæ, pericarpio carnosissimo.—Pegu.

261. *CICCA (EMBLICA) MACROCARPA*, nov. sp.

Arbuscula 20—25-pedalis, habitu *C. Emblicæ*, sed cortice aspero fesso rugoso insignis, ramulis puberulis; folia anguste linearia, subsessilia, acuta v. obtusiuscula, basi rotundata, coriacea, marginibus subreflexis, $\frac{1}{2}$ — $\frac{3}{4}$ poll. longa, glauco-viridia, glabra; flores lutescentes, pedicellis filiformibus suffulti, secus ramulos novos breves aphyllas fasciculati et racemum compactiusculum usque poll. longum canescenti-pubescentem efformantes; calyx glaber, 6-partitus, lobis obovato-oblongis; columna staminalis gracilis, styli 3, basi breviter connati, robusti, 2-lobi, lobulis latis et brevibus 3-crenulatis; capsulæ drupacæ cum iis *C. albizzoidis* exacte congruunt—Prome, Pegu.—*C. Emblicæ* arete affinis, sed differt cortice, stylium lobis et capsulis duplo majoribus.

262. *APOROSA VILLOSULA*, nov. sp.

Arbor sempervirens, 25—30-pedalis, novellis parce pubescentibus mox glabrescentibus; folia oblonga ad elliptico- et obovato-oblonga, basi obtusa v. acuta, petiolo apice incrassato $\frac{1}{2}$ — $\frac{3}{4}$ glabro suffulta, breviter et obtusiuscule acuminata v. apiculata, integra v. subintegra, 3—5 poll. longa, rigide chartacea v. subcoriacea, glabra, in sicco fusciscentia et nitentia; flores minuti (masculi desunt), feminei sessiles, bracteis latis obtusiusculis glabris ciliolatis dense imbricatis protecti et spicas amentaceas breves usque semipollicem longas binas v. per plures glomeratas axillares v. supra foliorum delapsorum cicatricibus orientes efformantes; ovarium dense fulvo-villosum, stigmatibus lævibus brevibus recurvis breviter bilobis terminatum; baccæ aurantiacæ, ovoideæ, pisi majoris magnitudine, apiculatæ, parce hirsutulæ v. passim subglabræ, 2—1-loculares.—Pegu, Martaban, Tenasserim, Andamans.—*A. Roxburghianæ* nimis affinis.—N. B. *Antidesma lunatum*, Miq. = *Aporosa lunatum*, mihi; hic planta cl. Maingay No. 1416 et Wall. Cat. 5975, sub nomine "*Cynometra* fide Bentham."

263. *HYMENOCARDIA PPLICATA*, nov. sp. (*Coccoleras plicatum*, Muell. Arg.?)

Arbor decidua, novellis ferrugineo-puberulis ; folia oblonga et elliptico-ad obovato-oblonga, petiolo poll. longo v. paulum longiore puberulo suffulta, basi 3-nervia rotundata v. subcordata et sæpius subattenuata, breviter et abrupte obtusiuscule acuminata, crenato-repanda, 3—5 poll. longa, chartacea, subtus secus nervos puberula et dense lutescenti- v. rubescenti-glandulosa ; flores dioici, masc. pedicello brevissimo puberulo, glomerati, feminei sessiles, in racemosis elongatis axillares v. supra foliorum delapsorum cicatricibus egredientes dum juvenilia amentaceos collecti ; calyx masc. in alabastro globosus, subglaber ; stamina numerosa, libera ; ovarium dimerum, compressum, dense glanduloso-punctatum, transverse rugoso-plicatum, stylis 2 brevibus magnis dense papilloso-villosis terminatum ; capsulæ desiderantur.—Pegu, Martaban, Tenasserim (Helf. 4963).—Inter plantam meam et eam cl. Muell. Arg. ex descriptione discrimen nullum adest nisi ovarium dimerum, nec alato 3-gonum. *Mallotus Wallichianus*, Muell. Arg. ex Ava, a me non visa, nulla nota differe videtur. *Hymenocardia*, ovulis solitariis nec binis gaudens, a *Coccocerate* imprimis seminibus compressis et testæ textura differt. Numerus coccorum in *Coccocerate* variat 2—4 (et probabiliter usque 5).

264. CYCLOSTEMON EGLANDULOSUM (*Hopea eglandulosa*, Roxb. Fl. Ind. II. 611).

Arbor mediocris, 40—50-pedalis, glabra ; folia subobliqua, ovato-oblonga v. ovato-lanceolata, basi acuta v. obtusa, petiolo 2—3 lin. longo gracili suffulta, integra, obtusiuscule acuminata, 1½—2 poll. longa, tenui-coriacea, eleganter reticulata, glabra ; flores masculi glabri, feminei puberuli, c. 3 lin. in diametro, pedicello puberulo c. ½ pollicari suffulti, solitarii v. raro bini et axillares ; ovarium fulvo-velutino-pubescentibus, 2-loculare ; stigmata sessilia glabra, dilatato-3-angularia, crenata ; drupæ desunt.—Arracan (etiam in montibus Bengalæ orientalis).

265. CYCLOSTEMON SUBSESSILE, nov. sp.

Arbusecula 25—30-pedalis, glabra ; folia oblonga ad elliptico-oblonga, basi subinæqualia, obtusiuscule et sæpius subabrupte acuminata, 4—6 poll. longa, chartacea, integra v. undulata v. obsolete crenata, glabra, laxe reticulata ; flores parvi, pedicello vix ½ lin. longo canescenti-pubescente suffulti, glomerati, axillares, calycis lobi concavo-orbiculares, extus canescenti-pubescentes, lineam circiter longi ; drupæ ovoideo-oblongæ, obsolete 4-lobæ, c. ⅔—¾ poll. longæ, pedunculo usque ad 1 lin. longo suffultæ, aurantiacæ, dense fulvo-puberulæ, 2-loculares et 2-spermæ, stigmatibus 2 v. raro 3 obtusiusculis minutis sessilibus coronatæ.—Martaban (etiam in montibus Khasyanis).

266. HEMICYCLIA ANDAMANICA, Kurz in And. Rep. 1870, p. 47.

Arbor 40—50-pedalis, glabra ; folia ovato-oblonga v. oblongo-lanceolata, basi rotundata inæqualia, petiolo parce pubescente glabrescente 2—3 lin. longo suffulta, caudato-acuminata, obsolete repando-serrata, rigidiuscule chartacea,

3—3½ poll. longa, eleganter reticulata, glabra; flores majusculi, pedicello minute appresse-hirsuto 1—1½ lin. longo suffulti, solitarii v. bini, axillares: calyx appresse puberulus, lobis concavo-rotundatis, 2 interioribus tenuioribus c. 2 lin. longis; stamina numerosa; drupæ pedunculo vulgo deflexo crasso 2—3 lin. longo, obverse ovoideæ, plus quam semipollicem longæ, teretes, læves, putamine semiterete, tenui-coriaceo.—Andamans. (Helfer 4962, mas).

267. *BRIEDELIA AMÆNA*, Wall. ap. Voigt. Hort. Calc. 157.

Arbuscula 15—25-pedalis, glabra; folia elliptica ad obovato-elliptica, petiolo lævi 2 lin. longo, basi obtusa, 2½—4 poll. longa, obtusa v. rotundata tenui-chartacea, glabra, subtus subglaucescentia, nervis lateralibus et reticulatione exiguis; flores glabri, masculi flavescentes, multo minores, feminei brevi-pedicellati, dense glomerati, rubri, axillares; calyx fem. glaber, lobis lanceolatis subulato-acuminatis, lin. fere longis: petala minuta, obovato—oblonga, rosea; discus orbicularis, sublobatus; drupæ globosæ, pisi magnitudine, succulentæ, atropurpureæ, læves.—Burma. Genus *Briedelia* a *Lebidieropside* differt coccis inter se non connatis et seminum testa membranacea siccæ. Drupa in *Lebidieropside* epicarpio carnoso gaudet, cocci lignosi connati et semina tegumento exteriori succoso-carnoso circumdata sunt.

268. *BRIEDELIA PUBESCENS*, nov. sp.

Arbuscula 20—30-pedalis, novellis pubescentibus; folia elliptico-ad obovato-oblonga, basi rotundata v. obtusa, petiolo c. 2 lin. longo pubescente, breviter et abrupte acuminata v. apiculata, tenui-chartacea, integra, supra glabra v. subglabra, subtus fulvescenti-pubescentia; flores parvi, albi, pedicello brevi pubescente suffulti, glomerati, axillares; calyx dense puberulus, lobis lanceolatis c. 1 lin. longis, petala obovata, truncata et 3-denticulata, discus magnus, orbicularis, aureus; drupæ desunt.—Pegu.—Habitus omnino *B. Moonii*, Thw.

269. *BRIEDELIA DASYCALYX*, nov. sp.

Frutex magnus scandens, novellis fulvo-pubescentibus; folia obovata ad obovato-oblonga, basi obtusa, petiolo crassiusculo c. 2 lin. longo suffulta, breviter acuminata apiculata v. obtusiuscula, 2—6 poll. longa, obsolete repanda, chartacea, supra glabrescentia, subtus subglaucescentia et parce pubescentia, nervis venisque valde prominentibus; flores parvi, fulvo-tomentella, sessiles, numerosi, in glomeros densos tomentosos axillares collecti et sæpius in racemum terminalem reducto-foliatum transformati; calyx extus dense fulvo-pubescentis, c. 2 lin. in diametro, lobis sub fructu lin. longis lanceolatis acutis; discus orbicularis, lævis, in centro annulo setoso drupæ basin cingente auctus; petala obovato-lineararia; drupæ ovoideo-ellipticæ, pisi magnitudine, læves, atropurpureæ, succulentæ, calyce non acerescente suffultæ. Var. *α*. genuina, frutex scandens, folia multo majora et textura tenuioris, acuminata. Var. *β*. aridicola, frutex minor et erectus, folia minora, usque

ad 3 poll. longa et subcoriacea, obtusiuscula v. obtusa.—Var. *α*. Ava, Prome, Pegu; var. *β*. Prome.—Ex affinitate *B. stipularis*, Bl.

270. *CLEISTANTHUS STENOPHYLLUS*, nov. sp.

Arbor v. frutex ? glaber; folia lineari-lanceolata, basi acuta, petiolo 2 lin. longo, longe subulato-acuminata, 3—4 poll. longa, chartacea, integra, glabra subtus subpallida; flores minuti sessiles, pauci glomerati, axillares; bracteæ ciliatæ; calyx extus parce appresse pubescens; ovarium glabrum, sessile; capsulæ desunt.—Tenasserim v. Andamans (Helf. 4875).—N. B. *Nanopetalum*, Hassk. ad *Cleistanthum* certissime reducendum est.

271. *CROTON ROBUSTUS*, nov. sp.

Arbusecula robusta, 15—25-pedalis, novellis dense ferrugineo-lepidotis; folia elliptica v. elliptico-oblonga, petiolo crasso ferrugineo-lepidoto usque pollicem longo suffulta, basi biglandulosa obtusa v. acuta, 1½—2 poll. longa, obtusa v. obtusiuscula cum v. absque mucrone, raro subretusa, coriacea, obsolete repanda v. integra, subtus parce ferrugineo v. lutescenti-lepidota et glabrescentia, nervis lateralibus tenuibus vix conspicuis; flores parvi, masculi brevi-pedicellati canescenti-villoso-lepidoti, feminei subsessiles, majores ferrugineo-lepidoti racemos breviores spiciformes formantes, rachi canescenti- v. ferrugineo-tomentoso-lepidota et sulcata; calyx tomentoso-lepidotus; styli 2-fidi; ovarium dense cupreo-lepidotum; capsulæ globoso-ovoideæ, 3-cocceæ, 6-sulcatæ, pisi majoris magnitudine, fulvo-argenteæ, obsolete lepidoto-tuberculatæ; semina 3 lin. fere longa, 3-angulari-oblonga, lævia, brunnea.—Pegu, Tenasserim.—Ex affinitate *C. argyrati*, Bl. (syn. *C. bicolor*, Roxb.).

272. *CROTON CALOCOCCUS*, nov. sp.

Fruticulus stellato-hirsutulus; folia elliptico-ovata v. ovata, basi biglandulosâ rotundata, petiolo gracili 3—4-lin. longo stellato-aspero suffulta, breviter acuminata, repando-serrulata, raro subintegra, 1—2 poll. longa, membranaceâ, flavescenti viridia, subtus stellato-pubescentia, supra stellato-aspera; bracteæ minutæ, subulatæ, hirsutæ; flores graciliter pedicellati, racemos graciles pubescentes terminales formantes; calyx hispidus, lobis sub fructu c. 1½ lin. longis lanceolatis; capsulæ pisi magnitudine, profunde et subdivaricato 3-lobæ et 3-cocceæ, tuberculis pilis hispidis radiantibus terminatis obtectæ; semina lævia, brunnea.—Pegu, Rangoon.—Species elegans, *C. Tiglii* habitu, nulli arete affinis.

273. *CROTON FLOCCULOSUS* nov. sp.

Arbusecula, novellis dense sed fugaciter albo- v. flavescenti-stellato-tomentosis; folia cordato-ovata, basi biglandulosâ 5-nerviâ cordata v. rotundata, 1½—3 poll. longa et fere æquilata, obtusiuscule et subabrupte acuminata v. apiculata, crenata v. crenato-serrata (in serraturis glandulosa v. eglandulosa), membranacea, juniora subtus dense stellato floccosa, dein utrinque v. supra tantum glabrescentia; flores.....pedicellati, in racemos terminales dispositi; capsulæ nutantes, pisi magni magnitudine, subglobosæ et obsolete 3-angulari-

res, crustaceæ, dense et molliter canescenti-stellato-tomentosæ; semina c. 2 lin. longa, elliptico-oblonga, dorso convexo lævia.—Pegu, Prome.—*C. caudato* affinis.

274. *CROTON SUBLYRATUS*, nov. sp.

Frutex deciduus, 5—8-pedalis, novellis ferrugineo-furfuraceis; folia obovato-ad sublyrato-oblonga, basi stipitato-biglandulosâ attenuatâ rotundata v. subeordata, petiolo $\frac{1}{4}$ — $\frac{1}{2}$ pollicari stellato-furfuraceo suffulta, obtusa v. obtusiuscule acuminata, 3—5-poll. longa, argute repando-serrulata, membranacea, adulta glabra v. subtus secus nervos stellato-aspera: flores parvi, pedicellati, stellato-tomentosa, racemum ferrugineo- v. fulvo-stellato-tomentosum ramulos novellos terminantem formantes; sepala lato-lanceolata, acuta, extus fulvo-pubescentia; petala marginibus ciliato-pubescentia; torus pilosus; stamina c. 15—20, glabra; petala in fl. fem. nulla; ovarium dense fulvo-stellato-tomentosum, stigmatibus brevibus; capsulæ parvæ, pisi minoris magnitudine, 3-cocææ, subglobosæ, crustaceæ, læves, parce appresse-stellato-hirtæ; semina 2 lin. fere longa, albido- et brunneo-variegata, lævia.—Andamans.—*C. Tiglio* quodammodo affinis.

275. *CROTON CROZOPHOROIDES*, nov. sp.

Suffrutex erectus, 1— $1\frac{1}{2}$ -pedalis, dense stellato-tomentosus; folia ovali-oblonga v. ovalia, basi stipitato-biglandulosâ rotundata v. obtusa, petiolo $\frac{1}{2}$ — $1\frac{1}{2}$ pollicari stellato-tomentoso subglabrescente suffulta, obtusa v. acuta, $1\frac{1}{2}$ —2 poll longa, indistincte dentato-crenata (denticulis pilis stellatis terminatis), crasse membranacea, juniora dense canescenti-stellato-tomentosa, supra granulato-aspera et subtus tomentella, nervis et reticulatione crassis et prominentibus; flores lutescentes, parvi, masculi pedicello 1—2 lin. longo (feminei brevi crasso) stellato-tomentoso suffulti, racemos longos stellato-pubescentes ramulos novellos axillares terminantes formantes; bracteæ conspicuæ, 2—3 lin. longæ, lineares, stellato-pubescentes et muriculis coccineoglandulosis ciliatæ, calyx extus dense fulvo-stellato-tomentosus, femineus major, lobis lanceolatis acutis; petala maris oblongo-lanceolata, marginibus albo-villosis; stamina numerosa, glabra, toro piloso inserta; ovarium dense fulvo-stellato-tomentosum, stylis coccineis, bis dichotomice-divisis; capsulæ ovoideo-globosæ, leviter 3-lobæ, 3-cocææ, cerasi putaminis magnitudine, apice depressæ, fulvo-stellato-tomentosæ, crustaceæ.—Species pulcherrima distinctissima, habitu omnino *Julocrotonis*.—Prome.

276. *CÆLODISCUS HIRSUTULUS*, nov. sp.

Suffrutex 1—2-pedalis, simplex, ramulis junioribus compressis hirsutis; folia opposita, suborbicularia, 5—6 poll. longa et subæquilata, basi 7-nerviâ subobsolete maculatâ cordata, petiolo $\frac{1}{3}$ —1 ped. fere longo pubescente suffulta, brevissime et obtusiuscule acuminata, subintegra v. obsolete repando-dentata, chartacea, utrinque sparse sed longe hispida, subtus prominenter et crasse nervosa, glabrescentia et parce aureo-glandulosa; spicæ masculæ densæ

et breves, usque $\frac{1}{2}$ pollicares, sessiles, fulvo-tomentellæ, axillares; bracteæ sublineares, calyce paulo longiores; calyx maris plusquam lin. in diametro, fulvo-tomentellus, in alabastro globosus; sepala 3, lato concavo-ovata; stamina numerosissima, glabra; flores feminei et capsulæ ignotæ.—Pegu, Prome.—Cœlodiscus melius species omnes Malloti includit quæ alabastro apiculato et seminibus carunculatis gaudent. Genus tali modo reformatum, caracteribus stabilibus ornatum, magis naturale evadit, et inter alia *Mallotum eriocarpoidem*, *eriocarpum*, *lappaceum*, *longipedem* et *disparem* recipit.

277. CLAOXYLON LONGIPETIOLATUM, nov. sp.

Frutex subsimplex v. arbusculi, 8—15-pedalis, caulibus fistulosis et novellis appresse pubescentibus, folia elliptica ad ovato-oblonga, basi acuta v. obtusa, v. raro subcordata, petiolo 5—3 poll. longo suffulta, breviter et tenuiter acuminata, 4—8 poll. longa, crasse membranacea, undulato-crenata v. crenato-dentata, penninervia, utrinque scabra, subtus secus nervos parce appresse pubescentia; flores parvi, masculi racemos nutantes canescentes appresse hispidos formantes; capsula (unica tantum adest in montibus Khasya a cl. Hookero et Thomsonio collecta et a speciminibus ipsis separata) iis *Malloti eriocarpoidi* nimis affinis, profunde 3-loba, muricibus hirsutis obtecta, stylis simplicibus papilloso-fimbriatis coronata, 3-cocœa, coccis pisi magnitudine.—Pegu, Martaban.—*C. longifolio* affinis.

278. CLAOXYLON LEUCOCARPUM, nov. sp.

Fruticulus 3—4-pedalis, caulibus fistulosis, novellis stellato-pubescentibus; folia ampla, lato-ovata, basi rotundata v. subcordata, petiolo puberulo glabrescente 3—8 pollicari suffulta, pedem circiter longo et fere æquilata, basi crasse-3- v. sub-5-nervia, breviter et obtusiuscule acuminata, repando-dentata, membranacea, supra stellato-aspera, subtus stellato-puberula, nervis venisque transversis crassis et prominentibus percursa; flores desunt, feminei breviter-pedicellati, racemos breves stellato-tomentosos axillares efformantes; calyx stellato-tomentosus, inæquali-2-sepalus; ovarium dense muricatum, stellato-hispidum; capsulæ pedunculo puberulo 2—3 lin. longo crasso suffultæ, cerasi minoris magnitudine, 3- v. raro 4- v. 2-cocœæ et -lobæ, stylis crassis papilloso-fimbriatis coronatæ, dense muricati (muricibus stellato-hispidis), albæ, carnosocoriacæ; semina subgloboso-ovoidea, lævia, pisi minoris magnitudine, arillo niveo succulento omnino inclusa.—Pegu.

279. TRAGIA BURMANICA, nov. sp.

Frutex volubilis, novellis appresse puberulis; folia larga, cordato-ovata, petiolo 1—3 pollicari canescenti-appresse-puberulo suffulta, basi 5-nervia sinuato-cordata, breviter et abrupte acuminata, tenui-chartacea, remote denticulata v. subintegra, 2—5 poll. longa, supra sparse albo-setulosa, flores desunt; pedunculi solitarii, graciles, 2—3 poll. longi, puberuli, e ramulis novellis axillaribus egredientes; calycis lobi sub fructu lato-ovati, foliacei, acuti, pollicem fere longi, extus sparsius, intus dense appresse setosi; capsulæ 3-

cocceæ, coccis pisi majoris magnitudine, longe et rigide appresse hirsutæ, lignosæ, calyce aucto 6-foliolato sustentæ; semina globosa, velutina, pulcherrime atrobrunneo-tigrinæ.—Martaban.

BLUMEODENDRON nov. g.

Flores dioici. Calyx maris valvatus, 3-partitus. Petala nulla. Discus maris glandiformis. Stamina numerosa, libera, receptaculo centrali elevato inserta. Ovarii rudimentum nullum. Ovarium 3-loculare, ovulis solitariis. Capsula magna, fibroso-carnoso, 3-cocca. Semina magna, arillo spurio crasso involuta. Albumen saponaceum. Cotyledones foliacei, sub-orbitales; radícula brevis.—Arbores, foliis oppositis et ut plurimum verticillatis, simplicibus, petiolis incrassato-articulatis. Flores mediocres, pedicellati, breviter racemosi, racemis fasciculatis axillaribus.

Genus a cl. Muell. Arg. cum *Malloto* incaute conjunctum.

280. BLUMEODENDRON TOKBRAI, (*Mallotus Tokbrai*, Muell. Arg. in DC. Prod. XV/2 956.) Etiam in insulis Andamanicis occurrit.

Altera species, sub nomine *Paracrotonis penduli* in Horto Bogoriensi culta et sub eodem nomine a cl. Muell. Arg. in Prodomo annotata, nomine *Bl. Muelleri* saluto. Folia sunt minora, textura tenuioris et subtus lævia. —*Paracroton pendulus*, Miq., mihi ignota est, sed jam racemis 3—4½-pedibus capsulisque tomentosissimis toto cælo differt.

N. B. *Mallotus albus*, Muell. Arg. = *M. tetracoccus* (*Rottlera tetracocca*, Roxb. H. Ind. III. 826.)—*Rottlera alba*, Roxb. cum *Malloto paniculato*, Muell. Arg. conjungenda est.

281. CLEIDION NITIDUM, Thw. MS.

Arbuscula glaberrima; folia lato- ad elliptico-lanceolata, petiolo 2—3 lin. longo (in speciminibus Ceylonicis longiore) crasso suffulta, utrinque acuminata, a medio repando-dentata, 2—3½ poll. longa, tenui-coriacea, glabra, in sicco fusciscentia; flores masculi parvi, glabri, sessiles, pauci, glomerati, spicam glabram v. indistincte puberulam elongatam oppositifoliam terminalem efficientes; calyx glaber, in alabastro globosus; flores aperti etc. ignoti.—Andamans.

282. MACARANGA MOLLIUSCULA, nov. sp.

Arbor mediocris, novellis molli-pubescentibus; stipulæ magnæ, lineari-oblongæ, acuminatæ; folia magis minusve orbiculari-ovata, petiolo 3—4 pollicari glabrescente glaucescente suffulta, basi multinerviâ lato-cordata, ½—1½ ped. in diametro, sinuato-denticulata, breviter acuminata, membranacea v. submembranacea, supra molli-puberula v. subglabra, subtus dense puberula et luteo-glandulosa, raro glabrescentia; flores parvi, masculi et feminei sessiles, illi glomerati bracteâ foliaceâ 2—4 lin. longâ lato-ovali v. ovatâ acuminatâ dentatâ v. pectinatâ protecti et paniculam axillarem pedunculatam subgracilem puberulam efficientes; feminei solitarii bracteâ cuneato-oblongâ

sæpius 3-lobâ serrato-dentatâ v. fimbriatâ foliaceâ tomentellâ c. $\frac{1}{4}$ — $\frac{3}{4}$ pollicari subtenti, spicas simplices interruptas puberulas formantes; antheræ 5—6; ovarium appresse hispidulum, 2-loculare; styli 2, subulati; capsulæ desunt. Andamans (Helf. 4722).—

N. B. *M. gummiflua*, Muell. Arg. = *M. denticulata*, Muell. Arg.

283. *MACARANGA MEMBRANACEA*, nov. sp.

Frutex sursum ramosus, 2—4-pedalis, novellis puberulis, ramulis glabrescentibus et glaucescenti-fuscis; folia ovata v. suboblongo-ovata, non peltata, basi 3-nerviâ subtruncata v. subsinuato-rotundata, petiolo gracili 1—3 poll. longo puberulo suffulta, 2—4 poll. longa, simplicia v. passim in lobos 2 v. 1 laterales longe acuminatos producta, remote calloso-dentata, longissime et tenuiter acuminata, juniora utrinque rubescenti-glandulosa et subvelutina, v. supra glabrescentia; flores masculi, ignoti, feminei sessiles, solitarii bini v. terni, bracteâ foliaceâ $\frac{1}{2}$ — $\frac{3}{4}$ pollicari ovatâ acuminatâ lacerto-dentatâ puberulâ et glandulosâ subtenti et in capitulum involueratum pedunculo 1—3 poll. longo pubescente axillari suffultum collecti; calyx urceolatus, limbo tubulari styli basin amplectente, ovarium rubicundo-glandulosum et hirsutum, styli 2, $\frac{1}{2}$ poll. longi, filiformes, glabri; capsulæ 2-coccæ et 2-lobæ, coccis pisi minoris magnitudine, rubicundo-glanduloso-pulverulentæ et muricibus filiformibus glabris sparsis obtectæ; semina globosa, brunnea, lævia.—Ava, Martaban.—*M. involucrata* affinis.

284. *CODIÆUM ANDAMANICUM*, nov. sp.

Frutex magnus, glaber; folia obovato-oblonga ad elliptica, basi acuta v. obtusa, petiolo 3—10 lin. longo, breviter et obtusiuscule acuminata, 3—6 poll. longa, pergamacea, integra, glabra; flores parvi, masculi pedicello capillari 3—4 lin. longo suffulti et racemum umbelli- v. corymbi-formem formantes, feminei paulo majores, pedicello brevissimo crasso supportati et corymbulum subsessilem ramulos novos sæpius axillares terminantem efficientes; calycis lobi rotundati, glabri, ii fl. fem. ovati, acuti; petala in mare parva; glandulæ hypogynæ magnæ, trigono-truncatæ, carnosæ; stamina in seriebus pluribus; ovarium apprese hirsutum, stylis 3 longissimis profunde bifidis, capsulæ pedunculo nutante brevi sursum incrassato suffultæ, globoso-3-coccæ, cerasi minoris magnitudine, indistincte scabriusculæ, lignoso-coriacæ; semina ovoideo-elliptica, holosericeo-canescientia, variegata.—Andamans.—*C. umbellato*, Muell. Arg. affinis.

285. *CODIÆUM*? *LUTESCENS*, nov. sp.

Frutex dioicus?, 8—12-pedalis, novellis sparse puberulis; folia lanceolata, passim subfalcata, basi acuminata, petiolo 2—3 lin. longo puberulo glabrescente suffulta, obtusiuscule acuminata, pergamacea, glabra, penninervia, in sicco flavescientia; flores masculi minuti, pedicello capillari 2—3 lin. longo suffulti, umbellati, umbellis pedunculo puberulo $\frac{1}{3}$ — $\frac{1}{2}$ pollicari apice capitato-bracteato solitario axillari suffultis; calyx 3-partitus, leviter imbr-

catus, lobis ovato-lanceolatis, c. $\frac{1}{2}$ lin. longis, acutis, extus appresse hispidulis; stamina c. 8—12 circa centrum læve luteum disci latiusculi continui inserta petala nulla; flores feminei etc. ignoti.—Andamans.

286. *EXCÆCARIA HOLOPHYLLA*, nov. sp.

Arbor sempervirens, glaberrima; folia alterna, oblonga ad lato-lanceolata, basi acuta v. obtusa, petiolo 3—4 lin. longo suffulta, obtusiuscule acuminata, pergamacea, integerrima, 3—6 poll. longa, nervis lateralibus curvis tenuibus; flores parvi, sessiles, masculi 3-ni v. plures, feminei basiales solitarii, bracteis brevibus latis (magnæ glandulæ utrinque insertis) protecti et racemum spiciformem oppositifolium terminalem glabrum formantes; flores masculi 2—3-andri; baccæ ignotæ.—Martaban, Tenasserim—*E. oppositifoliæ* affinis, sed foliis integerrimis alternis statim distinguenda.

287. *EUPHORBIA SCABRIFOLIA*, nov. sp.

Herba annua, subsimplex, gracilis, 1—2-pedalis, ramis glabris in sicco sulcatis; stipulæ breves et angustæ, parce et rigide fimbriatæ; folia linearia v. elongato-lineari-oblonga, brevissime petiolata v. subsessilia, basi inæquali rotundata v. obtusa, 1—2 poll. longa, mucronato-acuta, cartilagineo-serrulata, crasse membranacea, supra glabra, subtus sparse crispato-pilosula, 1-nervia, nervis lateralibus nullis, glauco-viridia; capitula subsessilia, in cymas glomeriformes subsessiles axillares v. spurie terminales collecti, v. sæpe bina v. solitaria; involucrum campanulatum, breve, extus puberulum, fauce villosum, fimbriatum, glandulis in appendicem obovato-cuneatum laceratum album plus quam lin. longum expansis; ovarium canescenti-pilosulum; styli graciles, 2-lobulati; capsulæ 3-coccæ, parce crispato-pilosulæ, c. 2-lin. in diametro, coccis compresso-acutis dorso nudis; semina obsolete 3-gono-oblonga, sordide aurantiaca, opaca, lævia.—Prome, Pegu.—Ex affinitate *E. notoptera*, Boiss.

288. *EUPHORBIA EPIPHYLLOIDES*, Kurz in And. Rep. ed 2. 48.

Arbuscula 15—12-pedalis, carnosa, glabra, inermis, ramis complanatis crasse alatis, crenato-sinuatis, ad articulationes attenuatis et teretibus; stipulæ obsoletæ; folia obovalia, brevissime petiolata, basi obtusa, glabra, carnosa, nitentia, rotundata v. subretusa, nervis lateralibus obsoletis; capitula in cymulas dichotomas brevipedunculatas glabras e sinubus crenaturarum ramorum egredientes disposita; capsulæ profunde trilobæ, glabræ, iis *E. ligulariæ* consimilia.—*Andamans.*]

URTICACEÆ.

BALANOSTREBLUS, nov. gen. Pl. XIX.

Flores monoici; masculi ignoti (ex inflorescentiis valde juvenilibus probabiliter amentacei?). Feminei racemosi: perianthium cum ovario connatum, sursum liberum et ovarium omnino includens, apice perforatum. Ovarium semisuperum, 1-ovulatum, ovulo pendulo; stylus perbrevis, e pe-

rianthii orificio protrudens; stigmata 2, brevia, crassa, villosula. Drupa perianthio carnoso inclusa, monosperma. Arbor lactescens, subglabra, foliis alternis grosse spinescenti-dentatis. Genus imperfecte cognitum sed distinctissimum *Antiari* affine

289. *BALANOSTREBLUS ILCIFOLIUS*, nov. sp.

Arbor ramulis scabriuscule puberulis; folia elliptica ad lato-ovalia, petiolo terete 1—2 lin. longo glabro suffulta, basi sæpius subinæquali acuta v. obtusa, rigide coriacea, spinoso-acuta, grosse spinoso-dentata, 1—3 poll. longa, glabra, supra nitida costa supra immersa subtus unacum nervis lateralibus arcuato anastomosantibus valde prominente; flores parvi, viridiuseuli, pedicello brevi crasso suffulti, in racemum axillarem brevem collecti; perianthium obturbinatum, rugulose-tuberculatum, c. 2 lin. longum; drupæ pisi minoris magnitudine, rubræ, rugulosæ, carnosæ, glabræ.—*Chittagong* (Hf. et Th. sub Sapii sp. No. 4); *Ava* (J. Anderson).

MUSACEÆ.

290. *MUSA RUBRA*, Wall. ap. Voigt Cat. Hort. Calc. 579, non hort.; Kurz in Journ. Agr. Hort. Soc. Beng. XIV. 301.

Humilis, cæspitosa, caudicibus pollicem vix crassis viridibus; folia oblonga basi subrotundata glabra, petiolis brevibus foliaceo-marginatis; spathe saltem apice imbricatæ deciduæ ovales obtusæ rubræ pruinulæ 5—6-floræ; flores aurantiaci, labio pumilo; fructus crasse truncato-rostrati lutei glabri; semina depresso-turbinata lævia.—*Pegu, Martaban.*

LILLIACEÆ.

291. *DRACENA HELFERIANA*, Wall. MS. (*Cordylina Helferiana*, T. And. Cat. Hort. Calc. 72.)

Suffrutex parvus, decumbens, simplex v. vix ramosus, glaber, 1—2-pedalis, caudice basi radicante 3—4 lin. crasso; folia approximata, obverse lanceolato-oblonga, sessilia et basi dilatata, v. in petiolum lato-foliaceum longiorem v. breviorum vaginantem subattenuata, acuta v. breviter acuminata, 1—1½ ped. longa et 1½—2 poll. lata, subundulata, tenui-coriacea, costa apicem versus subevanescente, venis in sicco tenuibus sed prominentibus; flores albi v. in colorem purpurascentem vergentes, tubo viridiusculo, poll. longi, pedicello gracili basin versus articulo suffulti 2—3-ni fasciculati, secundi et paniculam parvè divaricato-ramosam terminalem amplam glabram efficientes; bracteæ lineari-lanceolatæ, eæ ramificationum inferiorum usque ad pollicem longæ, deciduæ; bracteolæ ovato-lanceolatæ, minutæ; perianthium basi inflatum et fere usque ad basin 6-partitum, lobis linearibus obtusis tubuloso-convergentibus apice tantum patentibus; filamenta alba; baccæ 1—3 lobæ, lobis subsphæricis pisi magnitudinis aurantiacis nitidis 1-spermis.—*Pegu, Martaban, Tenasserim.*—*D. ternifoliæ* affinis.

292. *DRACÆNA PACHYPHYLLA*, nov. sp.

Fruticulus erectus v. ascendens, simplex v. vix ramosus, glaber, 1—2-pedalis, caulibus digiti minoris crassitudine v. tenuioribus; folia elliptica ad elliptico-lanceolata, acuta v. subulato-acuminata, coriacea, sæpius maculata, 4—6 poll. longa et $1\frac{1}{2}$ — $2\frac{1}{4}$ poll. lata, costa apicem versus evanescente, venis tenuibus et prominentibus, superiora basi sensim complicato-attenuata semi-amplexicaulia, inferiora in petiolum usque ad poll. longum foliaceum basi vaginanter ampliatur abruptius contracta; flores albi, pedicello brevissimo robustiusculo articulado suffulti, racemum terminalem 1—2 pollicarem spiciformem pedunculatum glabrum efficientes; perianthium c. $\frac{3}{4}$ poll. longum rectum, basi parum inflatum, fere usque ad basin 6-fidum, lobis erectis et tubiformi-conniventibus apice tantum erecto-patentibus; baccæ 3—1-lobæ, lobis globosis pisi magnitudine rubris nitentibus monospermis.—*Andamans.* (etiam *Malacca*, Maingay No. 1684). A *D. spicata*, specie arborea, quæ cum cl. Baker conjunxit, statura humili et perianthio recto non torto jam differt. *D. Finlaysoni*, Baker, eadem est ac *D. linearifolia*, Miq.

293. *DRACÆNA BRACHYPHYLLA*, nov. sp.

Fruticulus gracilis, parce ramosus, glaber caulibus 2—4 lin. crassis, folia linearia, sessilia basi breve petioliformi-attenuata et lato-amplexicaulia; $\frac{1}{2}$ —1-pedalia, acuminata, tenui-chartacea, costâ apicem versus evanescente venisque tenuissimis et prominentibus; flores $\frac{1}{2}$ — $\frac{2}{3}$ poll. longi, albi, pedicello supra medio articulado 2—3 lin. longo suffulti, bini v. solitarii, in racemos breves strictiusculos dispositi et paniculam terminalem sessilem brevem erectam glabram formantes; bracteæ lineari-lanceolatæ, subulato-acuminatæ, inferiores usque ad $\frac{1}{2}$ poll. longæ; bracteolæ ovatæ, acutæ, membranaceæ, scarioso-marginatæ, c. lin. longæ; perianthium fere ad basin 6-fidæ, lobis tubuloso-conniventibus et apice erecto-patentibus; filamenta alba; baccæ.—*Andamans.*—*D. angustifoliæ* affinis.

*GRAMINEÆ.*294. *ARUNDINARIA ELEGANS*, nov. sp.

Fruticosa, 6—15-pedalis, culmis digit-crassis; folia linearia, longe acuminata, brevissime petiolata, rigide chartacea, 4—5 poll. longa, $\frac{1}{3}$ — $\frac{1}{2}$ poll. lata, subtus conspicue tessellata et, præsertim apicem versus, secus margines cartilagineas subspinuloso-scabra; foliorum vaginæ glabræ, ore truncato parce hirsuto; turionum vaginæ parce fulvo-hispidulæ, ore nudo attenuato minute auriculatæ; spiculæ pedicello gracili $\frac{1}{2}$ —1 poll. longo suffultæ, $1\frac{1}{2}$ — $\frac{1}{2}$ poll. longæ, 14—4-floræ, racemum terminalem paniculiformem angustum glabrum efficientes; glumæ 2, 3— $3\frac{1}{2}$ lin. longæ, superior paulo brevior; rachillæ c. 2 lin. longæ, sericeo-puberulæ, nodo barbata; valvula exterior c. 4 lin. longa, compresso-concava, lanceolata, cuspidato-acuminata, lævis; valvula interior paulum brevior compresso-navicularis, secus carinas apicem versus

2-fidum sulcatum parce pilosa; lodiculæ 2, ciliatæ; stigmata alba; antheræ purpureæ; caryopsis deest.—*Ava, Martaban.*—*A. racemosæ* nimis affinis.

295. *BAMBUSA (DENDROCALAMUS) LONGISPATHA*, nov. sp.

Cæspitosa, arborea, 40—60-pedalis, culmis brachium crassis, turionum vaginæ longissimæ, sursum culmum haud amplectentes, $1\frac{1}{2}$ — $1\frac{1}{4}$ ped. longæ appresse brunneo setosæ, altero latere oris angustati auriculo brevi rotundato nudo membranaceo auctæ; lamina imperfecta membranacea, reflexa; lingula conspicua sed angusta, longe et grosse brunneo-setoso-fimbriata; folia lanceolata ad lineari-lanceolata, 6—8 poll. longa et $\frac{3}{4}$ —1 poll. lata, longe acuminata, brevissime petiolata v. subsessilia, supra præsertim secus margines scabriuscula glabrescentia; subtus glaucescentia; vaginæ glabræ, ore nudo paulum productæ, ligula conspicua, fimbriata; spiculæ minutæ, truncatæ, $2\frac{1}{2}$ —3 lin. longæ, basi attenuatæ, compactiuscule et divaricato-5-floræ, dense glomeratæ, in spicas interruptas dein in paniculam amplam transformatas collectæ; valvulæ 2 inferiores vacuæ v. gemmiparæ, superiores 3 fertiles; valvula exterior fl. herm. obovato-orbicularis, acuta, 3 lin. fere longa, nitida, valvula interior subæquilonga, anguste navicularis, secus carinas dorsi concavo-depressi parce pilosa; antheræ lutæ, mucronatæ; stylus longus, persistens, breviter 2-fidus, stigmata purpurea; ovarium et stylus hirsuti.—*Arracan, Pegu, Martaban.*—Caryopsis *Dendrocalami* non est baccata nec perigynio circumdata, sed epicarpium plane coriaceum v. suberustaceum nec membranaceum uti in *Bambusa* sensu stricto.

296. *BAMBUSA (DENDROCALAMUS) CALOSTACHYA*, nov. sp.

Arborea, cæspitosa; vaginæ ramorum novellorum appresse fuseo-setosæ, ore truncatæ, marginibus albo-ciliatis; ligula integra v. subintegra, angusta; folia larga, lato-lanceolata, $\frac{1}{2}$ —1 ped. longa, 2—1 poll. lata, basi rotundata, breviter (vix lin. long.) petiolata, acuminatissima, marginibus et supra apicem versus scabra, subtus molliter puberula; vaginæ glabræ? conspicue albo-ciliatæ, ore non productæ; lingula conspicua, integra erosa v. fimbriata; spiculæ lato-oblongæ, compressiusculæ, $\frac{1}{2}$ poll. longæ v. paulo longiores, 7—8-floræ, glomeratæ, spicas interruptas dein in paniculam amplam transformatas efficientes ramulis plus minus puberulis; valvulæ 2 infimæ abbreviatæ, vacuæ, sequentes omnes fertiles; valvula exterior fl. herm. lato-ovata, c. 4—5 lin. longa, acuta, lævis; valvula interior naviculari-oblonga, acuta (ea florum inferiorum etiam obtusa), basi subattenuata, exteriore brevior, dorso puberula v. raro subglabra, secus margines et carinas albo-ciliata; antheræ luteæ, longiuscule et lævi-mucronatæ; filamenta libera; ovarium cum stylo longo hirsutum; stigma simplex, purpureum? lodiculæ 1 v. 2, lanato-fimbriatæ, minutæ.—*Ava.*—*B. latifloræ (Dendrocalamus—Munro)* valde affinis.

297. *BAMBUSA (DENDROCALAMUS) CRITICA*, nov. sp.

Arborea, cæspitosa, 15—30-pedalis, culmis 1—3 poll. crassis, junioribus

appresse-albido puberulis; turionum vaginæ magnæ, appresse argente-oretulosa, ore subtruncatæ; lamina imperfecta extus appresse sericeo-setulosa, basi in auriculas falcato-oblongas setoso-fimbriatas decurrens; folia lineari-lanceolata, basi truncata sæpius subobliqua, breviter (1 lin.) petiolata (superiora u bsessilia), 4—8 poll. longa, $\frac{1}{2}$ —1 poll. lata, acuminata, subtus scabride hirtula, marginibus scabra, nervis utrinque 5—7; vaginæ glabræ? (verosimiliter juniores hirsutæ), ore haud productæ et auricula incrassata longe (pilis 2—4 lin. longis) fimbriata terminatæ; spiculæ, etc. ignota.—*Pegu.*—ex affinitate *B. strictæ*.

298. GIGANTOCHLOA (OXYTENANTHERA) MACROSTACHYA, nov. sp.

Arborea, 30—50-pedalis, cæspitosa, culmis brach. crassis; turionum vaginæ brevissimæ, 5—8 poll. longæ, dense appresse nigrescenti-setosæ; lamina imperfecta in auriculas magnas undulatas rotundato-terminatas fusco-fimbriatas decurrens; lingula angustissima, integra v. obsolete dentata; folia lanceolata, basi obtusa v. subrotundata, breviter (1 lin.) petiolata, 5—7 poll. longa, $\frac{1}{2}$ — $\frac{3}{4}$ poll. lata v. latiora, acuminatissima, marginibus retrorse scabra, subtus albida et molliter puberula; vaginæ patenti-hirsutæ, glabrescentes, uno latere oris paulum producti minute auriculatæ et parce sed longe (2—3 lin.) fimbriatæ; lingula inconspicua; spiculæ sessiles (raro una alterave pedunculata), $1\frac{1}{2}$ —2 poll. longæ, lineares, compressiusculæ, 6—7-floræ, strictæ v. raro curvulæ, subulato-acuminatæ, laxè glomeratæ, interrupte spicatæ et sensim paniculam amplam radicalem efficientes; valvulæ exteriores omnes rigide nigrescenti-fimbriatæ, inferiores 3 v. 4 abbreviatæ et vacuæ, superiores 3 hermaphroditæ; valvula exterior fl. herm. lineari-lanceolata, convoluta, subulato-acuminata; valvula interior anguste navicularis, præsertim sursum secus angulos dorsi deplanati atropurpureo-ciliata, apice vix bifida; antheræ purpureæ, aristato-acuminatæ; ovarium cum stylo simplici longo hirsutum; stigma album.—*Martaban, Tenasserim.*—Genus *Oxytenanthera*, Munro (excepta *O. Thwaitesii*) nulla nota differt a *Gigantochloa* nisi caryopside elongata; valvula interior in omnibus speciebus a me examinatis deplanata et bicarinata evadit. *Gigantochloa* genus valde artificiale et filamentis connatis vix ac ne vix a *Bambusâ* differt. Habitus et spicularum structura in generibus *Bambusa* et *Gigantochloa* simili modo variat et species ex habitu arctissime affines, e. g. *B. polymorpha* et *Gigantochloa aspera* spiculis omnino inter se differunt.

299. MELOCANNA HUMILIS, nov. sp.

Fruticosa, cæspitosa, 8—15-20 pedalis, culmis $\frac{1}{4}$ —1 poll. crassis; turionum vaginæ glabræ? brevissimæ, ore sinuato valde producto rotundatæ et ampliata; lamina imperfecta linearis, erecta, basi in marginem polito-viridem angustum decurrens; lingula angustissima, integra; folia lanceolata ad lineari-lanceolata, basi obtusa, petiolo 2—3 lin. longo suffulta, subulato-acuminata, 4—6 poll. longa $\frac{2}{3}$ —1 poll. lata, secus marginem alterum scaberrima

subtus glaucescentia et scabrido-puberula ; vaginæ glabræ, ore minute auriculato longe fimbriatæ ; spiculæ, etc. ignota.—*Pegu, Arracan.* *Melocanna* a *Schizostachyo* differt caryopsidis epicarpio crasse carnosio et perigynii absentia.

300. CEPHALOSTACHYUM FLAVESCENS, nov. sp.

Fruticosa, cæspitosa, 10—15-pedalis, culmis poll. circiter crassis ; turionum vaginæ fragiles, appresse albo-setulosæ, lamina imperfecta erecta v. suberecta, inflato-cordata, convoluto-acuminata, basi in appendices latas undulatas fimbriatas falcatas decurrens, quarum una deflexa altera sursum vergens ; lingula c. 2 lin. lata, erosodentata ; folia parva, linearia, 3—5 poll. longa, $\frac{1}{3}$ — $\frac{1}{2}$ poll. lata, acuminata, basi rotundata, brevissime petiolata marginibus præsertim apicem versus scabra, cæterum glabra ; vaginæ glabræ, ore vix producto minute et incrassato-auriculatæ et pauci-fimbriatæ ; spiculæ cylindrico-lineares, acuminatæ, c. $\frac{1}{2}$ poll. longæ, albo-pilosæ, 3-floræ, dense glomeratæ et interrupte spicatæ, dein sensim in paniculam radicalem amplam collectæ ; valvula infima vacua, sequentes hermaphroditæ cum terminali hebetata ; valvula interior et exterior fl. herm. subconformis, alba-pilosa, subulato-acuminata, illa dorso subdeplanato apicem pilosum versus bicarinata ; lodiculæ 3, lanceolatæ, acuminatæ, ciliolatæ ; antheræ primum viridiusculæ et purpurascenti-punctatæ, dein pallide flavæ, acutæ v. obtusæ ; perigynium elongato-lageniforme, cum rostro triquetro parce pilosum ; stigmata 3, brevia, albo-pilosa ; pericarpium.....—*Pegu*, in H. B. C. culta.—*C. pergracili* affine.—Genus *Teinostachyum* a *Cephalostachyo* more *Arthrostylidii* rachillis elongatis tantum differt et, in opinione mea, rejiciendum est. *Schizostachyum Blumei* Munro, non N. E. species est nova Hindostanica, *Sch. Hindostanicum* nominanda.

301. PSEUDOSTACHYUM COMPACTIFLORUM, nov. sp.

Arborea, cæspitosa, semiscandens, culmis 1—1 $\frac{1}{2}$ poll. crassis ; turionum vaginæ lævissimæ, lamina imperfecta in auriculam angustam reflexam lunato-productam patenter fimbriatam decurrens, lingula integra, angustissima ; folia larga, oblongo-lanceolata ad lanceolata, basi oblique truncata v. obtusa, breviter (1—2 lin.) petiolata, 6—10 poll. longa, 1—2 poll. lata, subulato-acuminata, glabra, uno latere apicem versus scabra ; vaginæ appresse sericeo-setosæ, mox glabrescentes, ore truncato in auriculam lunatam reflexam longe (3 lin.) fimbriatam productæ, ligula integra, angusta ; spiculæ minimæ, 2—2 $\frac{1}{2}$ lin. tantum longæ, iis *Bambusa longispathæ* consimiles, latæ et sub anthesi quasi truncato-2-fidæ, 5-floræ, dense glomeratæ et interrupte spicatæ, dein sensim in paniculam amplam radicalem collectæ ; valvulæ inferiores 2 vacuæ, sequentes 2 hermaphroditæ, cum flosculo terminali longe pedicellato obovato ; valvula exterior fl. herm. lato-ovalis, ventricosa, brevissime mucronata, nitens, c. 2 lin. longa ; valvula interior æquilonga, latc-navigularis, apice 2-denticulata, secus angulos dorsi depressi albo-ciliata ;

lodiculæ 3, maximæ, ovales, obtusæ, longe fimbriatæ; antheræ virescenti-luteæ, perigynium cum rostro brevi truncato glabrum; stigmata brevia, albo-plumosa; pericarpium maturum pomi feri magnitudinis, irregulari-globosum, nitens, rigide coriaceum; semen maximum, carnosum, mox germinans.—*Martaban.*

302. PSEUDOSTACHYUM HELFERI, nov. sp. (*Bambusa Helferi*, Munro, ?)

Subscandens, cæspitosa, arborescens, culmis poll. circiter crassis; turionum vaginæ fugacissime albido-setulosæ, lamina imperfecta patens, basi attenuata in auriculam parvam longe fimbriatam producta, lingula angustissima setis albis 2—1 lin. longis fimbriata; folia larga, oblongo-lanceolata, basi vulgo inæqualia, breviter (1—2 lin.) petiolata, acuminata, $\frac{1}{2}$ —1 ped. longa 2—2 $\frac{1}{2}$ —3 poll. lata, juniora secus margines scabra, mox glabra, subtus glaucescentia; vaginæ apparenter glabræ, ore parum producto et uno latere minute fimbriato-auriculatæ; lingula fimbriata, fragilitate pilorum mox integra v. indistincte denticulata; spiculæ, etc. ignota.—*Pegu, Martaban.*

303. DINOCHLOA ANDAMANICA, nov. sp.

Alte scandens, culmis poll. circiter crassis; turionum vaginæ sparse albido-setulosæ, ore nudo rotundata et vulgo undulata; lamina imperfecta erecto-patens, supra hispidula, lingula minute denticulata, sinum oris marginans; folia larga, oblongo-lanceolata ad lanceolata, basi rotundata, brevissime petiolata, setaceo-acuminata, 6—12 poll. longa, 1—2 poll. lata, utrinque lævia; vaginæ glabræ, ore parum producto subrotundatæ, lingula angusta, albida, os totum marginans et integra; spiculæ minutæ, $\frac{1}{2}$ —1 lin. longæ, ovatæ, nitidæ, stramineæ, glabræ, sessiles, glomeratæ, interrupte spicatæ et in paniculam racemiformem angustam terminalem collectæ; valvula inferior saccato-cymbiformis, abbreviata, retuso-mucronata, vacua; valvula exterior fl. herm. lato-convoluta-ovata, acuta, lævis, lin. fere longa; valvula interior conformis; antheræ spurie 4-loculares, acuminatæ; ovarium etc., ignota....*Andamans (etiam in insulis Nicobaricis).*—*D. Tjangkorreh* affinis, sed spiculis multo minoribus pallidis (nec brunneis) foliis multo majoribus et ligula vaginarum differt. Specimina ex insulis Phillipinis, valvula interiore ciliata gaudientia et a cl. Munro cum *D. Tjangkorreh* conjuncta mihi est species nova et etsi eam non vidi *D. ciliatam* nomino.

304. DINOCHLOA MACLELLANDII, (*Bambusa Maclellandii*, Munro in Linn. Trans. XXVI. 114).

Alte scandens, culmis pollicem crassis; turionum vaginæ fugaciter appresse argenteo-setulosæ ore incrassato polito-marginatæ; ligula brevis, integra; folia magna, oblongo- ad ovato-lanceolata, basi rotundata, breviter (1—2 lin.) petiolata, subulato-acuminata, $\frac{1}{2}$ —1 $\frac{1}{4}$ ped. longa, 1 $\frac{1}{4}$ —3 $\frac{1}{2}$ poll. lata, lævia, uno latere apicem versus retrorse scabra; vaginæ juniores appresse argenteo-setulosæ, mox glabrescentes, ore parum productæ et auricu-

la appressa rotundata nitente nuda terminatæ, lingula os totum occupans, integra; spiculæ, etc. ignota.—*Pegu, Martaban.*

CORRIGENDA ET ADDENDA.

Pueraria brachycarpa, supra p. 232, dele observationem “*Spatholobus crassifolius* Bth. Diocleæ est species,” et adde:

243b. *PUERARIA STRICTA*, nov. sp.

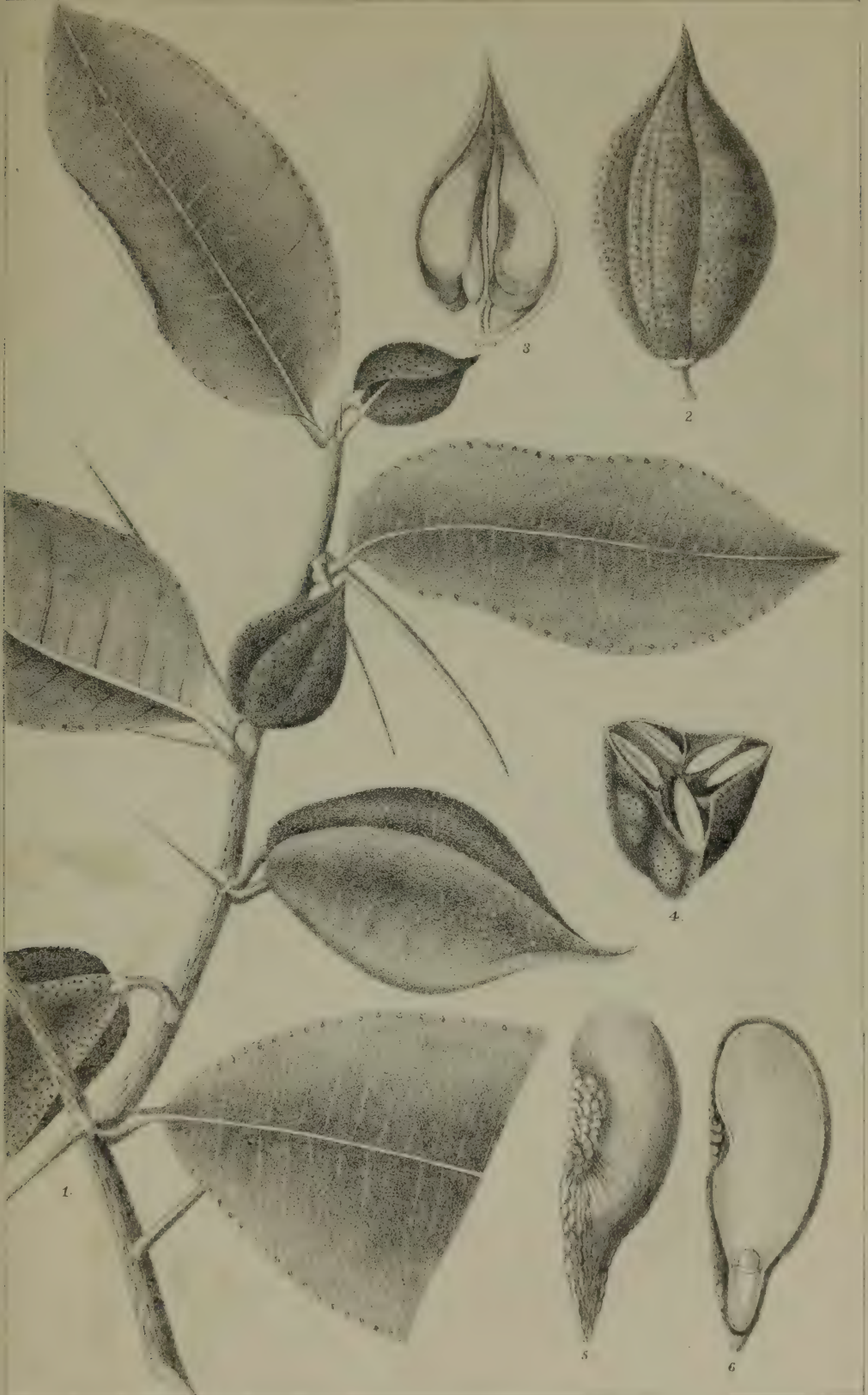
Herba perennis erecta 2—4-pedalis, ramis subteretibus novellis canescenti-tomentosis; folia pinnatim 3-foliolata, petiolo $1\frac{1}{2}$ —2 pollicari pubescente suffulta; foliola ovata, lateralia inæqualia, 2—3 poll. longa, acuta v. breviter acuminata chartacea utrinque sparse appresse hirsutula; flores desunt; racemi canescenti-tomentosi simplices axillares et in paniculas terminales collecti; bracteæ parvæ, subulatæ, persistentes; pedicelli sub fructu c. 2 lin. longi, calyx c. lin. longus puberulus; legumina lineari-oblonga, 1— $1\frac{1}{2}$ poll. longa, $2\frac{1}{2}$ lin. lata, plana, glabra, pallida, 7—9-sperma; semina compresso-orbicularia, nigra, c. 2 lin. lata.—*Pegu, Martaban.*

243c. *PUERARIA HIRSUTA*, nov. sp.

Herba perennis volubilis v. prostrata ramis obtuse angulatis et retrorse appresse hirsuta; folia pinnatim 3-foliolata, petiolo patenter hirsuto 2— $2\frac{1}{2}$ pollicari suffulta; foliola ovata ad ovato-lanceolata, lateralia obliqua, acuminata, chartacea, $2\frac{1}{2}$ — $3\frac{1}{2}$ poll. longa, utrinque (præsertim subtus) sparse appresse hirsuta; flores desunt; racemi vulgo bini v. terni dense fulvo-hirsutuli, axillares; bracteæ deciduæ; pedicelli sub fructu c. lin. longi; calyx parvus; legumina oblongo-v. lineari-lanceolata, $\frac{1}{2}$ —1 poll. longa, 3— $3\frac{1}{2}$ lin. lata, plana et subtorosa, sparse sed longe et patenter hirsuta, 2—4-sperma; semina transverse ovoidea, compressa, pallida v. pallide brunnea, nitida, c. $2\frac{1}{2}$ lin. lata.—*Pegu.*

Explanatio tabularum.

- T. XVIII. *Gonocitrus angulatus*, Kz. Fig. 1. ramus fructiferus; f. 2. fructus; f. 3. id. longitudinaliter sectus; f. 4. id. horizontaliter sectus; f. 5. semen, magnitudine paullo auctum; f. 6. semen longitudinaliter sectum.
- T. XIX. *Balanostreblus ilicifolius*, Kz. Fig. 1. ramus florens plantæ femineæ; f. 2. ramus fructicans; f. 3. racemus florum femineorum; f. 4. flos femineus perianthio remoto ovarium exhibens; f. 5. flos femineus longitudinaliter dissectus; f. 6. fructus maturi sectio verticalis. Fig. 3—6 omnes magnitudine auctæ.



GONOCITRUS ANGULATUS, KURZ



BALANOSTREELUS ILICIFOLIUS, KURZ.